COMPETENT PERSONS' REPORTS

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PART 1

GLJ Petroleum Consultants Limited

Competent Persons Report, Summary and Individual Property Reports as at 30 November 2011

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SUNSHINE OILSANDS LTD.

ABBREVIATED COMPETENT PERSON'S REPORT FOR PETROLEUM RESERVES AND RESOURCES

SUMMARY AND PROPERTY REPORTS OF MAJOR AREAS

EFFECTIVE 30 NOVEMBER 2011

1121333

ABBREVIATED COMPETENT PERSON'S REPORT

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SUNSHINE OILSANDS LTD.

COMPETENT PERSON'S REPORT FOR PETROLEUM RESERVES AND RESOURCES

EFFECTIVE 30 NOVEMBER 2011

1121333

SUMMARY REPORT

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GLJ Petroleum Consultants

Principal Officers:

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President & CEO
Jodi L. Anhorn, M.Sc., P. Eng.
Executive Vice President & COO

Officers / Vice Presidents:

Terry L. Aarsby, P. Eng.
Caralyn P. Bennett, P. Eng.
Leonard L. Herchen, P. Eng.
Myron J. Hladyshevsky, P. Eng.
Bryan M. Joa, P. Eng.
Mark Jobin, P. Geol.
John E. Keith, P. Eng.
John H. Stilling, P. Eng.
Douglas R. Sutton, P. Eng.
James H. Willmon, P. Eng.

20 February 2012

Project 1121333

The Directors and Sponsors
Sunshine Oilsands Ltd.
Suite 1020, Eighth Avenue S.W.
Calgary, Alberta T2P 0P7

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BOCI Asia Limited
26/F, Bank of China Tower
1 Garden Road, Central
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Morgan Stanley Asia Limited
46/F, International Commerce Centre
1 Austin Road West, Kowloon
Hong Kong

Dear Sir:

Re: Sunshine Oilsands Ltd.
30 November 2011 Competent Person's Report

GLJ Petroleum Consultants (GLJ) has completed an independent reserves and resource assessment and evaluation of certain Sunshine Oilsands Ltd.'s (the Company) oil sands projects effective 30 November 2011. The following table details the breakdown of company interest reserves and resources, by property. Volumes associated with the Goffer Keg River property are classified as light oil, whereas the remaining volumes are classified as bitumen. A portion of the volumes in the Ells/Legend Lake and Thickwood properties, where the Company has applied for construction of a bitumen recovery scheme are classified as reserves. The remaining volumes are classified as resources not reserves, pending further delineation, facility design, regulatory application, and firm development plans. In the case of the carbonate properties, development is contingent upon successful application of SAGD and CSS technology in carbonate reservoirs, which is currently under active development. There is no certainty that it will be commercially viable to produce any portion of the contingent or prospective resources.

	Reserves		
Property	Proved (MMstb)	Proved + Probable (MMstb)	Proved + Probable + Possible (MMstb)
Ells/Legend Lake	0	250	333
Thickwood	0	164	219
Total	0	414	552

	Contingent Resources			Prospective Resources		
Property	Low (MMstb)	Best (MMstb)	High (MMstb)	Low (MMstb)	Best (MMstb)	High (MMstb)
Established Technology						
Crow Lake	0	0	14	0	0	2
East Long Lake	15	33	74	0	0	0
Ells/Legend Lake	657	1230	1815	0	0	0
Pelican	77	118	185	0	0	0
Portage Grand Rapids	0	0	4	0	0	0
Thickwood	258	325	419	0	0	0
Total	1,006	1,705	2,511	0	0	2

	Contingent Resources			Prospective Resources		
Property	Low (MMstb)	Best (MMstb)	High (MMstb)	Low (MMstb)	Best (MMstb)	High (MMstb)
Technology Under Development						
Ells Leduc	0	159	271	0	0	2
Goffer	0	0	521	0	0	0
Goffer Keg River	0	0	0	0	0	3
Harper	0	393	1,405	0	0	0
Muskwa Carbonates	0	0	1,810	0	0	334
Portage Nisku	0	64	961	0	0	230
Saleski	0	0	123	0	0	0
South Thickwood	0	0	56	0	0	0
Total	0	615	5,148	0	0	569

Note: columns may not add due to rounding

This report has been prepared for the Company for inclusion in its prospectus in relation to its global offering and listing on the Hong Kong Stock Exchange. This evaluation has been prepared in accordance with resource and reserves definitions, standards and procedures contained in the Society of Petroleum Engineers Petroleum Resource Management System as modified by Chapter 18 of the rules governing the listing of securities on the Hong Kong Stock Exchange Limited (Listing Rules), save for the waiver granted to the Company in respect of the application of Rule 18.33(6) of the Listing Rules by the Hong Kong Stock Exchange. The report uses GLJ (2011-10) pricing assumptions and current royalty regulations.

These estimates of resources (unrisked) include prospective resources that have not been adjusted for risk based on the chance of discovery or the chance of development and contingent resources that have not been adjusted for risk based on the chance of development.

High estimate company gross discovered plus undiscovered Petroleum Initially In Place (PIIP) for the evaluated properties totals 44 billion barrels, broken down by category as follows:

	Summary of Petroleum Initially In Place (MMstb)								
	Discovered			Undiscovered			Total		
Property	Low	Best	High	Low	Best	High	Low	Best	High
Crow Lake	225	321	321	0	11	11	225	332	332
East Long Lake	113	162	162	0	0	0	113	162	162
Ells Leduc	711	790	790	144	206	206	856	997	997
Ells/Legend Lake	2,425	4,597	4,597	2,173	1,400	1,400	4,598	5,998	5,998
Goffer	1,289	1,732	2,158	0	0	0	1,289	1,732	2,158
Goffer Keg River	0	0	0	0	0	22	0	0	22
Harper	6,603	8,091	9,074	2,178	2,465	2,746	8,780	10,555	11,819
Muskwa Carbonates	4,475	5,869	8,019	3,735	4,972	6,564	8,209	10,841	14,583
Pelican	375	375	384	0	0	0	375	375	384
Portage Nisku	2,169	2,563	2,881	1,428	1,702	1,972	3,597	4,265	4,853
Portage Grand Rapids	232	232	367	0	0	0	232	232	367
Saleski	538	596	762	0	0	0	538	596	762
South Thickwood	356	399	515	0	0	0	243	287	402
Thickwood	1,403	1,403	1,403	0	0	0	1,403	1,403	1,403
Total	20,914	27,130	31,433	9,658	10,756	12,921	30,458	37,775	44,242

GLJ Petroleum Consultants

Net present values of the Company are presented in the various sections of this report along with an introduction describing the terms of reference, discussions of the Company's business, reserves definitions, evaluation procedures, pricing assumptions, cost assumptions, economic sensitivities and qualifications and statements of independence of the evaluators.

A summary of key reservoir and performance indicators is provided below. The values presented are for the best estimate contingent category, except for Ells/Legend Lake and Thickwood in which the project size includes 20,000 bopd and 10,000 bopd from the probable reserves category, respectively.

Property	Zone	Rock Type	Net* Pay (m)	Porosity (%)	Bitumen Saturation (%)	Reservoir Depth (m)	Project Size (bopd)	Cumulative Steam-Oil Ratio	Recovery Factor* (%)	Recovery Scheme
East Long Lake	McMurray	Clastic	10-30	31	75	130	5,000	2.6	48	SAGD
Ells Leduc	Leduc	Carbonate	20-70	14	82	310-490	20,000	3.9	32	SAGD/CSS
Ells/Legend Lake	Wabiskaw	Clastic	10-20	31	73	240-480	134,000	3.1	48	SAGD
Harper	Grosmont	Carbonate	14-24	18	81	550	40,000	4.5	33	SAGD/CSS
Pelican	Grand Rapids	Clastic	13-20	30	64	240	15,000	2.9	42	SAGD
Portage Nisku	Nisku	Carbonate	17-22	20	73	380	5,500	4.3	22	SAGD/CSS
Thickwood	Wabiskaw	Clastic	10-15	31	73	195	50,000	3.6	49	SAGD

*Values over exploited area

Additional properties at Crow Lake, Goffer, Muskwa Carbonates, Portage Grand Rapids, Saleski and South Thickwood were uneconomic under current pricing assumptions in the best estimate contingent resource category, but do contain economic resources in the high estimate contingent resource case.

Attached to this summary report are detailed property reports for the Company's most significant properties at Ells/Legend Lake and Thickwood. The detailed property reports provide a complete description of geological environment, reservoir engineering analysis, results, relevant maps and economic forecasts. Detailed property reports of the remaining properties are available upon request.

It is trusted that this evaluation meets your current requirements.

Should you have any questions regarding this analysis please contact the undersigned.

Yours truly,

GLJ PETROLEUM CONSULTANTS LTD.

"ORIGINALLY SIGNED BY"

Keith M. Braaten, P. Eng.
President & CEO

KMB/jem
Attachments

INDEPENDENT PETROLEUM CONSULTANTS' CONSENT

The undersigned firm of Independent Petroleum Consultants of Calgary, Alberta, Canada has prepared an independent evaluation of certain **Sunshine Oilsands Ltd.** (the "Company") Canadian oil sands properties and hereby gives consent to the use of its name and to the said estimates. The effective date of the evaluation is 3**0 November 2011**.

In the course of the evaluation, the Company provided GLJ Petroleum Consultants Ltd. personnel with basic information which included land data, well information, geological information, reservoir studies, estimates of on-stream dates, contract information, current hydrocarbon product prices, operating cost data, capital budget forecasts, financial data and future operating plans. Other engineering, geological or economic data required to conduct the evaluation and upon which this report is based, were obtained from public records, other operators and from GLJ Petroleum Consultants Ltd. non-confidential files. The Company has provided a representation letter confirming that all information provided to GLJ Petroleum Consultants Ltd. is correct and complete to the best of its knowledge. Procedures and tests to verify certain interests and financial information were applied in this evaluation. In applying these procedures and tests, nothing came to GLJ Petroleum Consultants Ltd.'s attention that would suggest that information provided by the Company was not complete and accurate. GLJ Petroleum Consultants Ltd. reserves the right to review all calculations referred to or included in this report and to revise the estimates in light of erroneous data supplied or information existing but not made available which becomes known subsequent to the preparation of this report.

The accuracy of any reserves, resources and production estimate is a function of the quality and quantity of available data and of engineering interpretation and judgment. While reserves, resources and production estimates presented herein are considered reasonable, the estimates should be accepted with the understanding that reservoir performance subsequent to the date of the estimate may justify revision, either upward or downward.

Revenue projections presented in this report are based in part on forecasts of market prices, currency exchange rates, inflation, market demand and government policy which are subject to many uncertainties and may, in future, differ materially from the forecasts utilised herein. Present values of revenues documented in this report do not necessarily represent the fair market value of the reserves evaluated herein.

PERMIT TO PRACTICE
GLJ PETROLEUM CONSULTANTS LTD.

ORIGINALLY SIGNED BY
Signature: LEONARD L. HERCHEN

Date: 20 February 2012

PERMIT NUMBER: P 2066
The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

ORIGINALLY SIGNED BY
JODI L. ANHORN
GLJ Petroleum Consultants Ltd.

INTRODUCTION

GLJ Petroleum Consultants (GLJ) was commissioned by Sunshine Oilsands Ltd. (the Company) to prepare an independent evaluation of certain of its oil sands reserves and resources effective 30 November 2011 according to SPE-PRMS guidelines and standards. The locations of the most significant reserves and resources properties are indicated on the attached index map.

The evaluation was prepared by and under the guidance of Mr. Keith Murray Braaten, the President and Chief Executive Officer of GLJ with over 32 years of oil and gas experience, of which over 10 are related to oil sands evaluations. Mr. Braaten holds a B.Sc. in Mechanical Engineering from the University of Saskatchewan, Canada. He is a professional engineer registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta and is also a member of the Society of Petroleum Engineers. Mr. Braaten and the rest of the evaluation team, as identified in the Certificates of Qualification in the Appendix to this report, are independent of the Company, its directors, senior management, and advisers, in compliance with Rule 18.22 of the Listing Rules. Mr. Braaten is qualified as a Competent Person and a Competent Evaluator in compliance with Chapter 18 of the Listing Rules.

The evaluation was initiated in November 2011 and completed by January 2012. Estimates of reserves and resources, and projections of production were generally prepared using well information and production data available from public sources to approximately 30 September 2011. The Company provided land details, cost data and other technical information not available in the public domain to approximately 31 October 2011. In certain instances, the Company also provided recent engineering, geological and other information up to 31 October 2011. Availability of information was not a limitation for the preparation of the report. The Company has confirmed that, to the best of its knowledge, all information provided to GLJ is correct and complete as of the effective date. A summary of the company's mineral acreage is presented in Table 1.

The Resources and Reserves have been substantiated by evidence that is supported by analyses described in the property documentation following the summary report and takes account of information supplied by the Company and information obtained from public records.

A site visit has not been undertaken as the relevant information required for the reserve and resource evaluation was available from the company's records located in its Calgary office. As well, the properties which were evaluated have no operational facilities.

As requested by the Company, this evaluation has been prepared in accordance with definitions, procedures and standards described in the SPE Petroleum Resource Management System, as summarised in the reserve and resource definition section of this report. All contingent resource volumes derived herein are classified as "Marginal Contingent Resources". Sub-Marginal contingent resources have not been evaluated.

The evaluation was conducted on the basis of the GLJ 01 October 2011 Price Forecast which is summarised in the Product Price and Market Forecasts section of this report.

Tables summarising production, royalties, costs, revenue projections, reserves and present value estimates for various reserves categories for individual properties and the Company total are provided in the tabbed sections of this Summary Report.

The Evaluation Procedure section outlines general procedures used in preparing this evaluation. The individual property reports, provided under separate cover, provide additional evaluation details. The following summarises evaluation matters that have been included/excluded in cash flow projections:

- COGEN electricity sales have been included as "Other Income";
- the effect on projected revenues of the Company's financial hedging activity has not been included;
- provisions for the abandonment of all of the Company's wells to which reserves have been attributed have been included; all other abandonment and reclamation costs have not been included;
- general and administrative (G&A) costs and overhead recovery have not been included,
- undeveloped land values have not been included; and
- carbon taxes associated with Greenhouse Gas Emissions as part of Alberta Environment's Specified Gas Emitters Regulation have not been included.

Map 1

Index Map
Property Locations

Company: Sunshine Oilsands Ltd.
Province: Alberta

Effective Date: November 30, 2011
Scale: 1:6,500,000 s1121333/indm01

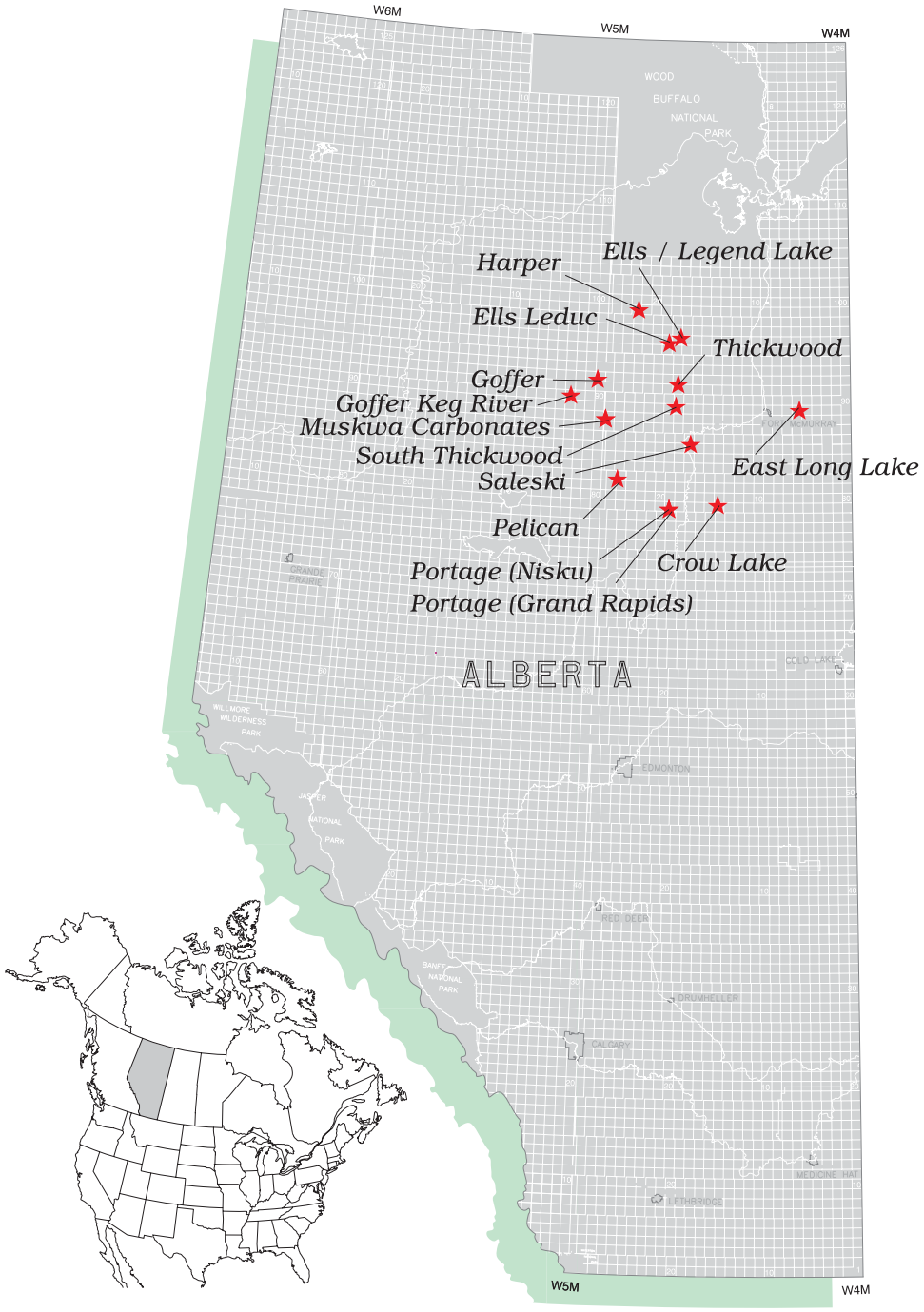


Table 1
Summary of Mineral Acreage

	Land Acres			
	Gross		Net	
Property	Acres	Hectares	Acres	Hectares
Crow Lake	14,080	5,698	14,080	5,698
East Long Lake	10,240	4,144	10,240	4,144
Ells Leduc		Included with Ells/Legend		
Ells/Legend Lake	187,200	75,760	187,200	75,760
Goffer	23,040	9,324	23,040	9,324
Goffer Keg River	7,680	3,108	7,680	3,108
Harper*	444,000	179,687	444,000	179,687
Muskwa Carbonates*	232,528	94,104	232,528	94,104
Pelican	5,440	2,202	5,440	2,202
Portage Cretaceous		Included with Portage Nisku		
Portage Nisku	186,240	75,371	186,240	75,371
Saleski	8,000	3,238	8,000	3,238
South Thickwood	6,400	2,590	6,400	2,590
Thickwood	14,720	5,957	14,720	5,957
Total	1,139,568	461,183	1,139,568	461,183

* The carbonate zones in the Harper and Muskwa properties have been evaluated in this GLJ report, whereas the shallower clastic reservoirs were evaluated separately by DeGolyer and MacNaughton in the D&M Report.

BUSINESS

Background

The Company is a Canadian based oil and gas company established in 2007 whose primary activity is the exploration and development of its oil sands leases. The Company holds over 1.1 million acres (460,000 hectares) of oil sands leases in the Athabasca Oil Sands Area of Alberta. Its assets include conventional heavy oil, Cretaceous clastic bitumen, and Devonian carbonate bitumen.

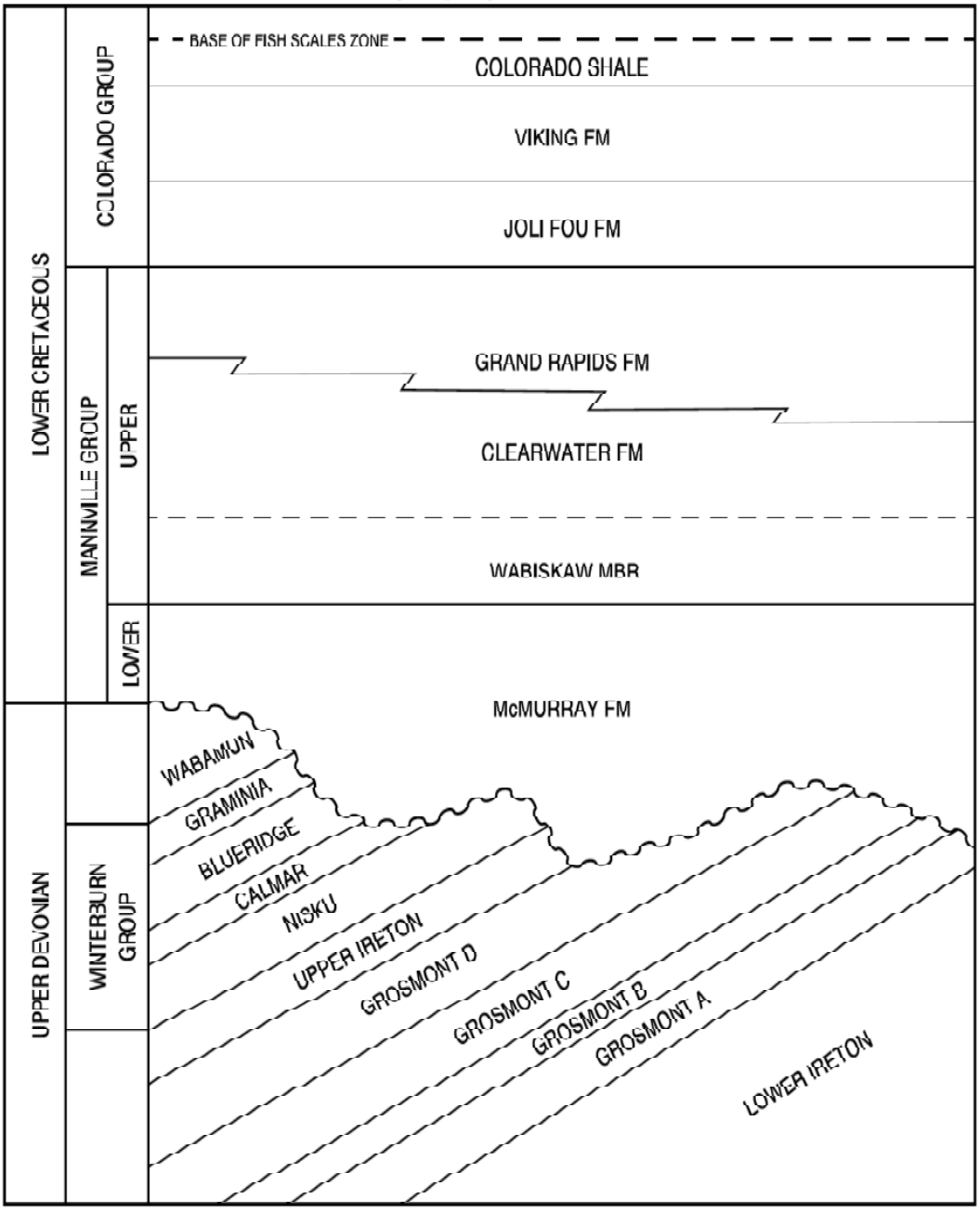
The Athabasca Oil Sands Area is the largest of three major bitumen deposits in Alberta, Canada. Early geological assessments were carried out in the 1800's, and in 1888 the Geological Survey of Canada reported the existence of North America's most extensive petroleum field in the Athabasca and Mackenzie valleys. Great Canadian Oil Sands Limited (a subsidiary of what is now Suncor Energy Inc.) opened the first bitumen mine and commenced commercial production in 1967. A series of government and industry sponsored pilot projects were carried out subsequently to investigate the viability of various insitu production technologies; the Alberta Oil Sands Technology and Research Authority (AOSTRA) Underground Test Facility demonstrated recovery factors of 60 to 80 percent and these efforts provided the technological basis for the current Steam Assisted Gravity Drainage (SAGD) commercial developments in the clastic reservoirs of the Athabasca region. The JACOS Hangingstone SAGD pilot commenced production in 1999 and, presently, there are nine commercial SAGD projects, three SAGD pilots (one in a carbonate reservoir) and one SAGD demonstration project in operation in the Athabasca region. Electrical heating and toe to heel air injection (THAI) technologies are also currently being piloted. Currently there are no operational commercial projects in carbonate reservoirs.

The Company has targeted bitumen within Lower Cretaceous clastic reservoirs and Devonian aged carbonates. Sandstones of the Lower Cretaceous McMurray Formation and the overlying Wabiskaw Member of the Clearwater Formation directly overlie the pre-Cretaceous unconformity surface. The McMurray and Wabiskaw formed in an overall transgressive environment as deposition began within the valleys and later over the highs on the unconformity surface. The McMurray began in a fluvial environment as river channels occupied south to north trending lows on the unconformity surface. As sea level rose, deposits became estuarine and were interbedded with marginal-marine sediments. Continuation of the sea level rise is seen in the marine origin of the Wabiskaw.

Devonian aged shales and carbonates underlie the pre-Cretaceous unconformity. The Devonian carbonates subcrop along a northwest to southeast trend and dip towards the southwest. Potential for economic bitumen production exists in dolomites of the Wabamun Formation, the Winterburn

Group (Blueridge and Nisku Formations), and the Grosmont Formation. Although the dolomitisation process is believed to have been completed during the Devonian, these reservoirs were exposed during the pre-Cretaceous unconformity. Exposure resulted in erosion and enhancement of the porosity caused by extensive leaching by fresh water. The stratigraphic column below visually depicts the relative position and orientation of these horizons.

Bitumen Zone Stratigraphy of North Eastern Alberta



So far, the Company has spent approximately $290 million acquiring and developing its leases over the past five years. The Company has drilled a total of 191 wells to explore and delineate their lands.

Heavy oil production has recently commenced at its Muskwa Wabiskaw property using a combination of vertical and horizontal cold production wells. Development of the Cretaceous clastic reservoirs will entail thermal recovery of the bitumen using the SAGD technique, proven successful throughout the Athabasca region.

The SAGD process is a thermal recovery method which entails the drilling of two horizontal wells placed vertically on top of each other and spaced approximately 5 metres apart. The lower well is the producing well, generally drilled near the bottom of the bitumen-bearing zone. The upper well is a steam injection well. The injected steam heats the reservoir and bitumen to a level where the bitumen viscosity is reduced sufficiently such that the bitumen will start to flow and drain, by gravity, to the lower producing well from which it is lifted to surface via pumping or other artificial lift equipment. Over time, the steam rises due to buoyancy forces, which then heats additional bitumen, allowing efficient recovery of bitumen throughout the reservoir. The process is an in-situ process which entails minimal surface disturbance relative to mining extraction.

Regulatory application of the Company's first 10,000 bopd project was made at West Ells in the Ells/Legend Lake property in 2010. The Company has since applied for two additional projects including a 10,000 bopd project at Thickwood in October 2011 and a 10,000 bopd project at Legend Lake in the Ells/Legend Lake property in November 2011. Construction will commence upon obtaining regulatory approval and securing of financing. First production is anticipated in 2013. As evaluated in this report, in the long term there is sufficient resource in the Cretaceous clastic properties to support the three 10,000 bopd regulatory applications at West Ells, Thickwood and Legend Lake, plus approximately 170,000 bopd in the best estimate scenario, including 110,000 bopd at Ells/Legend Lake, 40,000 bopd at Thickwood, 15,000 bopd at Pelican and 5,000 bopd at East Long Lake.

The Company's other long term prospects reside in their carbonate reservoirs. There are currently no commercial thermal recovery projects underway in Canada, although a number of pilot projects have been carried out or are being implemented. The Company conducted a short-term pilot test of one of its carbonate reservoirs in December 2010. It is anticipated that a combination of SAGD and Cyclic Steam Soak (CSS) processes will be implemented to develop the carbonate leases. These methods are currently considered technology under development as, although they have been successful in clastic reservoirs, they have not been proven in carbonate reservoirs. As evaluated in this report, in the long term in the best estimate scenario there is sufficient resource

in the carbonate properties to support approximately 65,000 bopd, with significantly larger volumes in the high estimate case.

Company Personnel

The Company is managed by an experienced team of 10 industry professionals, as referenced in the table below. The positions include President & Chief Executive Officer, Strategic Advisor, Chief Operating Officer, Chief Financial Officer & Vice President of Finance, Executive Vice President of Corporate Operations, Senior Vice President of Operations, Vice President of Facilities Engineering, Vice President of Field Operations, Vice President of Land Regulatory Affairs and Controller. All of these positions are filled with individuals well qualified for their roles; each individual has greater than 15 years industry experience excluding the Strategic Advisor with fourteen years experience and the Vice President of Land Regulatory Affairs with nine years experience. The Company is looking to fill the positions of Vice President Engineering and Vice President Geology. Those duties are currently being handled by other senior staff in the organisation.

Name	Age	Present Position and Office	Position Held Since	Years Experience in Industry
Mr. John Empey Zahary	50	President & Chief Executive Officer	20 December 2011	25
Mr. John Stanley Kowal	49	Strategic Advisor	20 December 2011	14
Mr. Douglas Stewart Brown	54	Chief Operating Officer	06 October 2008	26
Mr. Thomas Kenneth Rouse	55	Chief Financial Officer & Vice President Finance	22 August 2008	20
Mr. David Owen Sealock	52	Executive Vice President Corporate Operations	13 June 2008	24
Mr. Tonino Sabelli	56	Senior Vice President Operations	16 December 2011	34
Dr. Songbo Cong	49	Vice President Facilities Engineering	09 January 2008	20
Mr. Daniel Joseph Dugas	53	Vice President Field Operations	01 March 2008	28
Mr. Jason James Hancheruk	38	Vice President Land Regulatory Affairs	27 May 2011	9
Mr. Albert Norman Stark	45	Controller	01 February 2009	18

There are a diverse number of job functions that go into developing and operating an oil sands company including reservoir engineering, facility engineering, geosciences, exploitation, production, budget management, technical services, information technology, regulatory affairs,

risk, compliance, drilling, health, safety, environment, planning, economics, supply chain management and human resources. The Company has qualified individuals in each of these areas. As the Company begins commercial development of its projects, there will be a need for the Company to grow and attract additional management, technical and operational employees and contractors with expertise in numerous areas. As with any other corporation, there is no assurance that the Company will be able hire and retain such necessary expertise in a competitive market place. Any deficiency in qualified labour may delay or interrupt development of its projects.

Social and Environmental Issues

Development of the Company's oil sands assets requires approval from the Energy Resources Conservation Board, the energy regulating agency in the province of Alberta. As part of the approval process, companies must submit detailed applications describing the project and its effects on the community and environment. Items included in submissions address:

- Location and effect of project on nearby lease and surface rights owners, existing areas of habitation and industry.
- Consultation and negotiations with stakeholders
- Public information programs
- Descriptions of and measures to mitigate surface disturbances
- Appraisal of options considered to minimise outside energy sources
- Air and water pollution control and monitoring
- Spill contingency plans
- Water management program
- Surface water drainage collection, treatment and disposal
- Emission control systems
- Commercial viability
- Quantification of public benefits and costs of the project
- Economic Impact
- Regional economic priorities and interests
- Direct and indirect employment opportunities
- Environmental Impact on wildlife, ground water, vegetation, soils, terrain and wetlands
- Conceptual development and reclamation planning
- Solid waste management planning

For the Company's first commercial SAGD development project at Ells, a regulatory application has been submitted which has addressed all of the above issues. No material issues were encountered and the Company is awaiting regulatory approval.

To address environmental, stakeholder and land use issues in Northern Alberta, the Government of Alberta is in the process of proposing a Lower Athabasca Regional Plan (LARP). The plan will identify and set resource and environmental management outcomes for air, land, water and biodiversity, and guide future resource development decisions while considering social and economic impacts. The plan has identified new conservation areas, one of which (Birch Conservation Area) overlaps with some of the Company's clastic reservoir leases in the Harper area. The Company has been assured by the Sustainable Resource Development department of the Government of Alberta, pursuant to the Government of Alberta 05 April 2011 press release "Regional plan supports conservation and economic growth" and the subsequently augmented draft LARP unveiled by the Sustainable Resource Development department of the Government of Alberta on 29 August 2011, that no regional plan will be approved until legislation that clarifies conditions for property rights in proposed conservation areas is passed in the Legislature. The Company's Canadian legal advisors, McCarthy Tetrault LLP, have confirmed that the Sustainable Resource Development department is a Ministry of the Government of Alberta and as such is the competent authority to issue the above assurance." The LARP 60 day review process was completed on 06 June 2011. The Company actively participated in this review process and presented geological and reservoir data to show the commerciality of the oil sands leases of the Company identified as being potentially impacted in the LARP draft plan. Until this process is complete, the Company has no ability to make any assessment of material impacts.

The specific leases evaluated herein by GLJ are not affected by the LARP draft plan. We are not aware of any material social or environmental issues which would prevent development of the project areas evaluated in this report at this time.

Other Risk Factors

There are a significant number of risks involved in developing and operating an oil sands company, including, but not limited to:

- exploration risk;
- the Company's early stage of development;
- the substantial capital requirements of the Company's projects;
- factors affecting potential profitability beyond control of the Company;
- failure to obtain or retain key personnel, contractors and third party services;
- failure to meet development schedules and potential cost overruns;
- failure to maintain systems of internal controls;
- seasonality, which limitations on surface access to the Company's assets;
- the effect of increases in operating costs on project economics;

- the effect of diluents and natural gas supply constraints and increases in the costs thereof;
- long-term reliance on third parties to construct and operate projects;
- the potential for estimates and assumptions to be inaccurate;
- failure to accurately estimate abandonment and reclamation costs;
- reliance on third party infrastructure for project facilities;
- the potential lack of available drilling equipment;
- risks related to exploration, development and production of oil sands reserves and resources, including the production of oil sands reserves and resources using SAGD or other in-situ technologies;
- changes to royalty regimes;
- gas over bitumen issues affecting operational results;
- the need to obtain regulatory approvals and maintain compliance with regulatory requirements;
- extent of, and cost of compliance with, laws and regulations and the effect of changes in such laws and regulations from time to time;
- potential government protection of lands overlapping with Company lands;
- environmental risks and hazards and the cost of compliance with environmental legislation and regulations, including GHG regulations and potential climate change legislation;
- changes to tax laws and government incentive programs;
- uncertainties associated with estimating reserve and resource volumes;
- uncertainties inherent in SAGD and other bitumen recovery processes;
- fluctuations in market prices for crude oil and bitumen blend;
- general economic, market and business conditions;
- variations in foreign exchange and interest rates;
- the effects of a global financial crisis;
- the failure of the Company to meet specific requirements in respect of its oil sands leases;
- potential aboriginal claims;
- unforeseen title defects;
- leases in close proximity to urban areas;
- potential export restrictions;
- potential conflicts of interest;
- political risks and terrorist attacks;
- insurance risks; and
- litigation risks.

The Company's business operations, financial position and cash flows may be materially affected by any of these risks, should they occur. Many of these risks are outside the control of the Company, in spite of any risk management steps the Company may take.

SUMMARY

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Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Reserves and Present Value Summary

Entity Description	Gross Lease Reserves				Company Interest Reserves				Net Interest Reserves				Before Income Tax Discounted Present Value (MM$)						
	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	0%	5%	8%	10%	12%	15%	20%
Total Proved Plus Probable	**0.0**	**413.86**	**0.00**	**0**	**0.0**	**413.86**	**0.00**	**0**	**0.0**	**341.37**	**0.00**	**0**	**11,429**	**2,948**	**1,371**	**791**	**408**	**47**	**-266**
Total PPP	**0.0**	**551.79**	**0.00**	**0**	**0.0**	**551.79**	**0.00**	**0**	**0.0**	**443.18**	**0.00**	**0**	**16,681**	**4,571**	**2,236**	**1,375**	**810**	**280**	**-173**
Low Estimate Contingent Resources	**0.0**	**1,006.25**	**0.00**	**0**	**0.0**	**1,006.25**	**0.00**	**0**	**0.0**	**838.45**	**0.00**	**0**	**21,736**	**6,761**	**3,198**	**1,788**	**835**	**-65**	**-798**
Best Estimate Contingent Resources	**0.0**	**2,320.75**	**0.00**	**0**	**0.0**	**2,320.75**	**0.00**	**0**	**0.0**	**1,917.14**	**0.00**	**0**	**52,945**	**15,465**	**7,376**	**4,340**	**2,364**	**580**	**-782**
High Estimate Contingent Resources	**0.0**	**7,659.25**	**0.00**	**0**	**0.0**	**7,659.25**	**0.00**	**0**	**0.0**	**6,297.79**	**0.00**	**0**	**190,093**	**50,630**	**23,944**	**14,372**	**8,293**	**2,917**	**-1,136**

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Reserves and Present Value Summary

	Gross Lease Reserves				Company Interest Reserves				Net Interest Reserves				After Income Tax Discounted Present Value (MM$)						
Entity Description	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	0%	5%	8%	10%	12%	15%	20%
Total Proved Plus Probable	**0**	**413,856**	**0**	**0**	**0**	**413,856**	**0**	**0**	**0**	**341,373**	**0**	**0**	**8,481**	**2,061**	**868**	**430**	**141**	**-131**	**-365**
Total PPP	**0**	**551,794**	**0**	**0**	**0**	**551,794**	**0**	**0**	**0**	**443,178**	**0**	**0**	**12,460**	**3,262**	**1,497**	**848**	**422**	**24**	**-313**
Low Estimate Contingent Resources	**0**	**1,006,2...**	**0**	**0**	**0**	**1,006,2...**	**0**	**0**	**0**	**838,447**	**0**	**0**	**16,146**	**4,624**	**1,916**	**854**	**142**	**-519**	**-1,039**
Best Estimate Contingent Resources	**0**	**2,320,7...**	**0**	**0**	**0**	**2,320,7...**	**0**	**0**	**0**	**1,917,1...**	**0**	**0**	**39,320**	**10,718**	**4,657**	**2,413**	**970**	**-305**	**-1,227**
High Estimate Contingent Resources	**0**	**7,659,2...**	**0**	**0**	**0**	**7,659,2...**	**0**	**0**	**0**	**6,297,7...**	**0**	**0**	**141,625**	**35,660**	**15,729**	**8,668**	**4,234**	**386**	**-2,385**

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP
MARKETABLE RESERVES		
Heavy Oil (Mbbl)		
Total Company Interest	413,856	551,794
Working Interest	413,856	551,794
Net After Royalty	341,373	443,178
Oil Equivalent (Mbbl)		
Total Company Interest	413,856	551,794
Working Interest	413,856	551,794
Net After Royalty	341,373	443,178
BEFORE TAX PRESENT VALUE (M$)		
0%	11,428,527	16,681,284
5%	2,948,130	4,570,858
8%	1,370,807	2,235,864
10%	790,715	1,375,433
12%	407,937	809,937
15%	46,591	280,224
20%	-266,445	-172,859
AFTER TAX PRESENT VALUE (M$)		
0%	8,481,467	12,459,576
5%	2,060,582	3,262,445
8%	868,396	1,497,396
10%	430,179	848,162
12%	141,240	422,120
15%	-130,959	24,127
20%	-364,967	-313,487

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:16

1121333 Class (I,R), GLJ (2011-10), psum February 07, 2012 14:05:51

GLJ Petroleum Consultants

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES			
Heavy Oil (Mbbl)			
Total Company Interest	1,006,248	2,320,753	7,659,253
Working Interest	1,006,248	2,320,753	7,659,253
Net After Royalty	838,447	1,917,145	6,297,793
Oil Equivalent (Mbbl)			
Total Company Interest	1,006,248	2,320,753	7,659,253
Working Interest	1,006,248	2,320,753	7,659,253
Net After Royalty	838,447	1,917,145	6,297,793
BEFORE TAX PRESENT VALUE (M$)			
0%	21,735,763	52,944,908	190,093,016
5%	6,761,235	15,464,689	50,629,681
8%	3,198,395	7,376,161	23,943,904
10%	1,788,310	4,340,237	14,372,396
12%	834,599	2,363,717	8,293,074
15%	-64,534	580,141	2,916,676
20%	-798,301	-781,535	-1,135,645
AFTER TAX PRESENT VALUE (M$)			
0%	16,145,846	39,320,155	141,625,199
5%	4,623,984	10,717,636	35,659,960
8%	1,916,038	4,657,282	15,729,402
10%	854,008	2,412,662	8,667,564
12%	142,143	970,111	4,234,290
15%	-519,134	-304,609	385,596
20%	-1,038,646	-1,226,821	-2,385,444

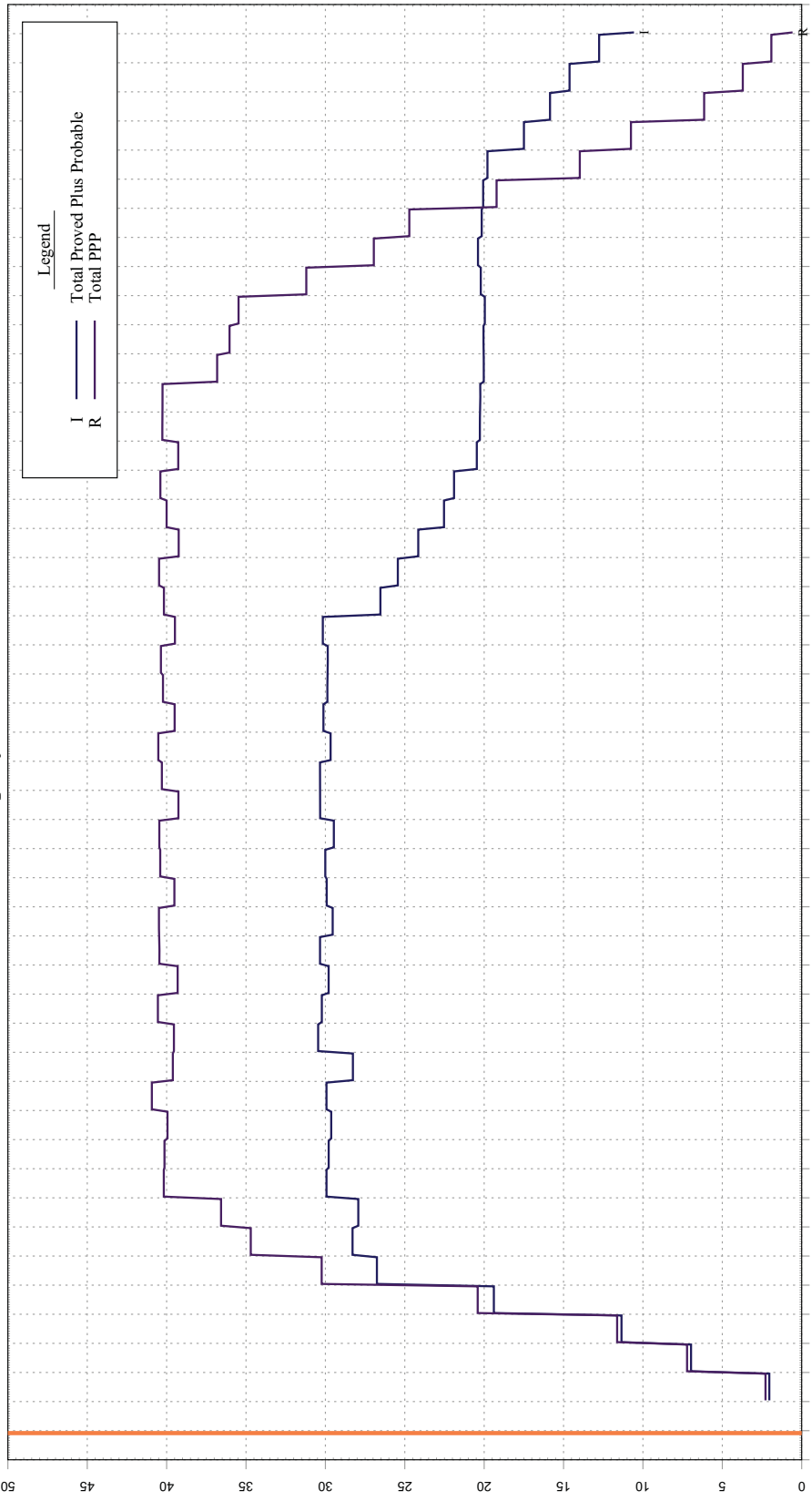
BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:20

Company: Sunshine Oilsands Ltd.
Property: Corporate
Description: Total Properties

Forecast Production
Pricing: GLJ (2011-10)
Effective Date: November 30, 2011

Company Interest Oil



*Note: Historical company interest production is based on current interests in the evaluated reserves entities applied to reported actual gross lease production. Consequently, company actuals may differ from the history shown due to changes in ownership.

Company Interest Oil
1121333 / Feb 07, 2012

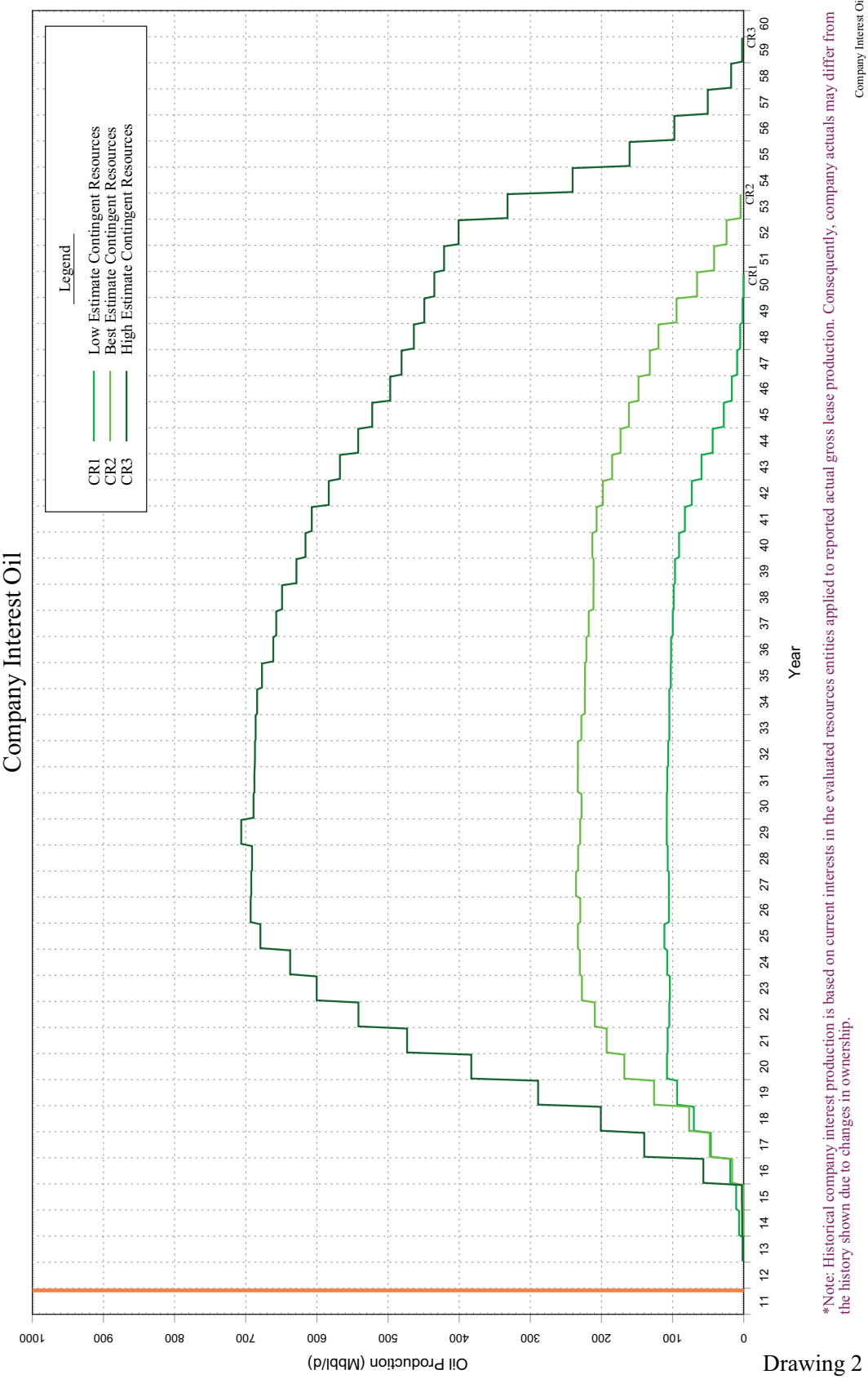
GLJ Petroleum Consultants

Drawing 1

Company: Sunshine Oilsands Ltd.
Property: Corporate
Description: Total Properties

Forecast Production
Pricing: GLJ (2011-10)
Effective Date: November 30, 2011

Company Interest Oil



*Note: Historical company interest production is based on current interests in the evaluated resources entities applied to reported actual gross lease production. Consequently, company actuals may differ from the history shown due to changes in ownership.

Company Interest Oil
1121333 / Feb 07, 2012

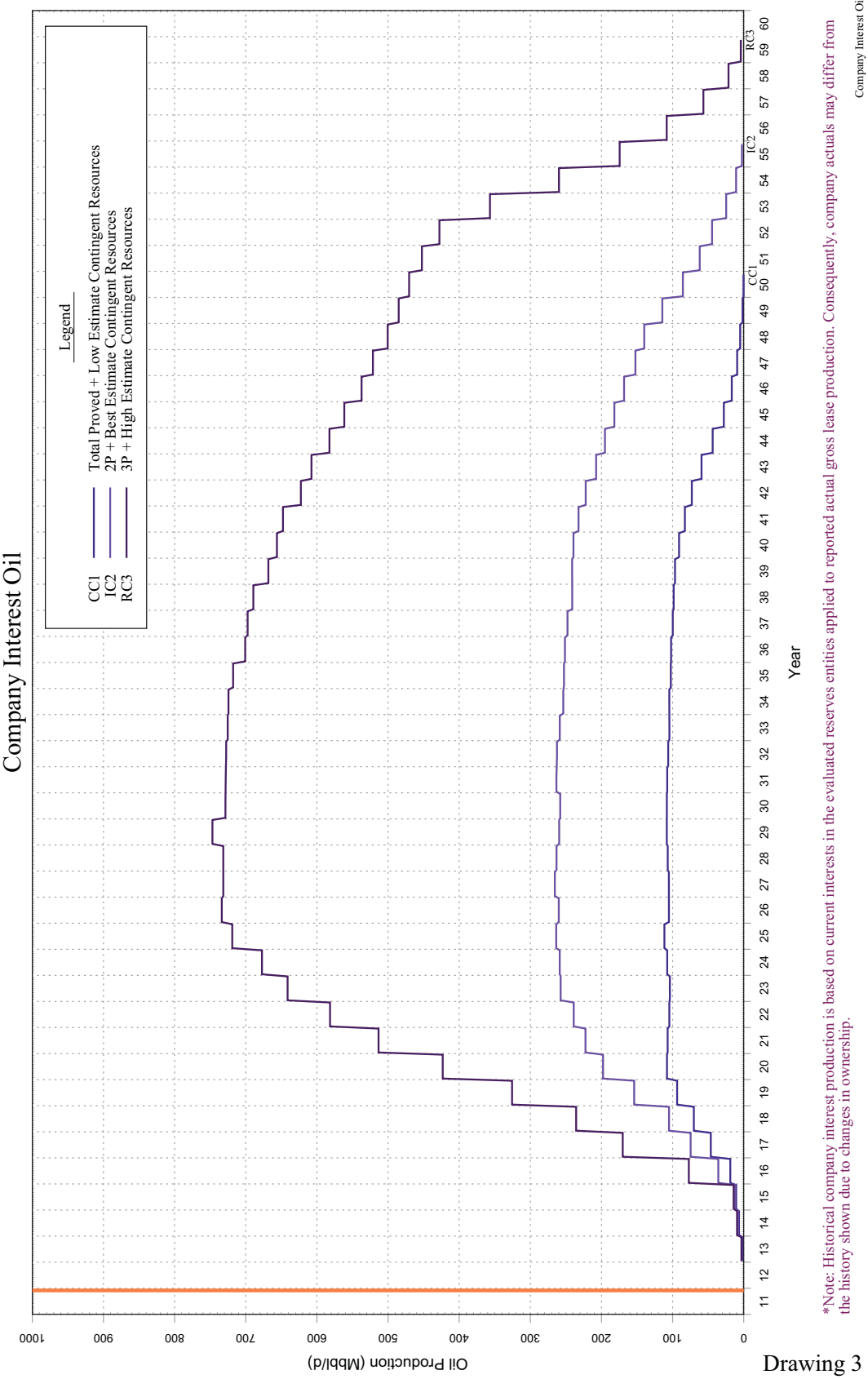
GLJ Petroleum Consultants

Drawing 2

Company: Sunshine Oilsands Ltd.
Property: Corporate
Description: Total Properties

Forecast Production
Pricing: GLJ (2011-10)
Effective Date: November 30, 2011

Company Interest Oil



*Note: Historical company interest production is based on current interests in the evaluated reserves entities applied to reported actual gross lease production. Consequently, company actuals may differ from the history shown due to changes in ownership.

Company Interest Oil
1121333 / Feb 07, 2012

GLJ Petroleum Consultants

Drawing 3

RESERVES FORECASTS

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Total Proved Plus Probable	**33**
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Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP
MARKETABLE RESERVES		
Heavy Oil (Mbbl)		
Total Company Interest	413,856	551,794
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Oil Equivalent (Mbbl)		
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Net After Royalty	341,373	443,178
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0%	11,428,527	16,681,284
5%	2,948,130	4,570,858
8%	1,370,807	2,235,864
10%	790,715	1,375,433
12%	407,937	809,937
15%	46,591	280,224
20%	-266,445	-172,859
AFTER TAX PRESENT VALUE (M$)		
0%	8,481,467	12,459,576
5%	2,060,582	3,262,445
8%	868,396	1,497,396
10%	430,179	848,162
12%	141,240	422,120
15%	-130,959	24,127
20%	-364,967	-313,487

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:16

1121333 Class (I,R), GLJ (2011-10), psum February 07, 2012 14:05:59

GLJ Petroleum Consultants

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Production, Reserves and Present Value Summary

Entity Description	2011 Company Interest Prod'n Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Company Interest Reserves Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Net After Royalty Reserves Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Reserve Life Index yrs	Before Income Tax Discounted Present Value (MM$) 0%	8%	10%	12%
Total Properties																			
Crow Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
East Long Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Ells Leduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Ells/Legend Lake	0	0	0	0	0	250	0	0	250	0	206	0	0	206	335.1	6,922	949	572	318
Goffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Muskwa Carbonates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Pelican	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Grand Rapids)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Nisku)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Saleski	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
South Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Thickwood	0	0	0	0	0	164	0	0	164	0	135	0	0	135	225.1	4,506	421	218	90
Total: Total Properties	**0**	**0**	**0**	**0**	**0**	**414**	**0**	**0**	**414**	**0**	**341**	**0**	**0**	**341**	**555.8**	**11,429**	**1,371**	**791**	**408**

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Reserve Class: **PPP**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Production, Reserves and Present Value Summary

Entity Description	2011 Company Interest Prod'n Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Company Interest Reserves Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Net After Royalty Reserves Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Reserve Life Index yrs	Before Income Tax Discounted Present Value (MM$) 0%	8%	10%	12%
Total Properties																			
Crow Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
East Long Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Ells Leduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Ells/Legend Lake	0	0	0	0	0	333	0	0	333	0	267	0	0	267	400.4	10,285	1,527	977	611
Goffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Muskwa Carbonates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Pelican	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Grand Rapids)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Nisku)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Saleski	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
South Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Thickwood	0	0	0	0	0	219	0	0	219	0	176	0	0	176	281.9	6,396	709	399	199
Total: Total Properties	**0**	**0**	**0**	**0**	**0**	**552**	**0**	**0**	**552**	**0**	**443**	**0**	**0**	**443**	**663.1**	**16,681**	**2,236**	**1,375**	**810**

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	2,040	745	699	59.59
2014	22	6,970	2,544	2,371	63.24
2015	32	11,350	4,143	3,861	63.58
2016	62	19,390	7,077	6,597	63.68
2017	77	26,756	9,766	9,086	64.63
2018	93	28,291	10,326	9,581	66.78
2019	115	27,928	10,194	9,432	68.25
2020	150	29,931	10,925	9,962	70.45
2021	162	29,793	10,874	9,567	71.96
2022	148	29,633	10,816	9,513	73.50
2023	140	29,932	10,925	9,375	75.08
2024	105	28,268	10,318	8,687	76.58
2025	125	30,457	11,117	8,914	78.11
2026	143	30,225	11,032	8,940	79.67
2027	147	29,796	10,876	8,981	81.26
2028	156	30,339	11,074	8,926	82.89
2029	135	29,541	10,783	8,729	84.55
2030	132	29,918	10,920	8,629	86.24
2031	127	30,007	10,953	8,766	87.96
2032	132	29,468	10,756	8,954	89.72
2033	148	30,331	11,071	8,868	91.52
2034	148	30,340	11,074	9,080	93.35
2035	140	29,673	10,830	8,521	95.21
2036	131	30,124	10,995	8,892	97.12
2037	132	29,874	10,904	8,854	99.06
2038	136	29,853	10,896	8,667	101.04
2039	146	30,163	11,009	8,660	103.06
2040	132	26,536	9,685	7,796	105.12
2041	124	25,438	9,285	7,560	107.23
2042	119	24,151	8,815	7,114	109.37
2043	109	22,529	8,223	6,650	111.56
2044	112	21,897	7,993	6,427	113.79
2045	102	20,463	7,469	5,995	116.06
2046	96	20,271	7,399	5,889	118.39
2047	95	20,247	7,390	5,888	120.75
2048	94	20,025	7,309	5,863	123.17
2049	95	20,041	7,315	5,853	125.63
2050	95	19,959	7,285	5,827	128.14
2051	95	20,213	7,378	5,833	130.71
2052	96	20,390	7,442	5,899	133.32
2053	94	20,155	7,356	5,852	135.99
2054	94	20,064	7,323	5,714	138.71
2055	94	19,794	7,225	5,429	141.48
2056	86	17,496	6,386	5,128	144.31
2057	86	15,852	5,786	4,669	147.20
2058	83	14,622	5,337	4,247	150.14
2059	73	12,759	4,657	3,682	153.14
2060	64	10,562	3,855	2,948	156.21
Tot.			**413,856**	**341,373**	**98.50**

Page 2

REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	44	0	0	44	0	44	3	0	0	0	3	42	29	4	33
2014	161	0	0	161	0	161	11	0	0	0	11	150	61	12	72
2015	263	0	0	263	0	263	18	0	0	0	18	245	107	18	124
2016	451	0	0	451	0	451	31	0	0	0	31	420	173	33	206
2017	631	0	0	631	0	631	44	0	0	0	44	587	184	38	223
2018	690	0	0	690	0	690	50	0	0	0	50	640	183	39	221
2019	696	0	0	696	0	696	52	0	0	0	52	644	199	41	240
2020	770	0	0	770	0	770	68	0	0	0	68	702	198	40	238
2021	783	0	0	783	0	783	94	0	0	0	94	688	210	44	253
2022	795	0	0	795	0	795	96	0	0	0	96	699	209	43	252
2023	820	0	0	820	0	820	116	0	0	0	116	704	217	46	263
2024	790	0	0	790	0	790	125	0	0	0	125	665	213	46	259
2025	868	0	0	868	0	868	172	0	0	0	172	696	220	47	267
2026	879	0	0	879	0	879	167	0	0	0	167	712	227	48	275
2027	884	0	0	884	0	884	154	0	0	0	154	730	230	48	277
2028	918	0	0	918	0	918	178	0	0	0	178	740	241	51	291
2029	912	0	0	912	0	912	174	0	0	0	174	738	241	51	293
2030	942	0	0	942	0	942	198	0	0	0	198	744	246	53	299
2031	963	0	0	963	0	963	192	0	0	0	192	771	248	53	300
2032	965	0	0	965	0	965	162	0	0	0	162	803	250	53	303
2033	1,013	0	0	1,013	0	1,013	202	0	0	0	202	812	267	57	324
2034	1,034	0	0	1,034	0	1,034	186	0	0	0	186	848	268	57	325
2035	1,031	0	0	1,031	0	1,031	220	0	0	0	220	811	275	59	334
2036	1,068	0	0	1,068	0	1,068	204	0	0	0	204	864	273	58	331
2037	1,080	0	0	1,080	0	1,080	203	0	0	0	203	877	279	59	338
2038	1,101	0	0	1,101	0	1,101	225	0	0	0	225	876	289	61	350
2039	1,135	0	0	1,135	0	1,135	242	0	0	0	242	893	288	60	349
2040	1,018	0	0	1,018	0	1,018	199	0	0	0	199	820	280	56	336
2041	996	0	0	996	0	996	185	0	0	0	185	811	279	54	333
2042	964	0	0	964	0	964	186	0	0	0	186	778	277	52	329
2043	917	0	0	917	0	917	175	0	0	0	175	742	258	50	308
2044	909	0	0	909	0	909	178	0	0	0	178	731	223	49	273
2045	867	0	0	867	0	867	171	0	0	0	171	696	216	48	264
2046	876	0	0	876	0	876	179	0	0	0	179	697	216	49	264
2047	892	0	0	892	0	892	181	0	0	0	181	711	213	49	262
2048	900	0	0	900	0	900	178	0	0	0	178	722	217	50	267
2049	919	0	0	919	0	919	184	0	0	0	184	735	222	51	273
2050	934	0	0	934	0	934	187	0	0	0	187	747	215	52	267
2051	964	0	0	964	0	964	202	0	0	0	202	762	223	54	277
2052	992	0	0	992	0	992	206	0	0	0	206	786	224	54	278
2053	1,000	0	0	1,000	0	1,000	205	0	0	0	205	796	230	56	286
2054	1,016	0	0	1,016	0	1,016	223	0	0	0	223	793	233	57	290
2055	1,022	0	0	1,022	0	1,022	254	0	0	0	254	768	229	55	284
2056	922	0	0	922	0	922	182	0	0	0	182	740	208	47	256
2057	852	0	0	852	0	852	164	0	0	0	164	687	223	48	271
2058	801	0	0	801	0	801	164	0	0	0	164	638	228	45	272
2059	713	0	0	713	0	713	149	0	0	0	149	564	183	40	223
2060	602	0	0	602	0	602	142	0	0	0	142	460	169	36	205
Tot.	**40,763**	**0**	**0**	**40,763**	**0**	**40,763**	**7,479**	**0**	**0**	**0**	**7,479**	**33,285**	**10,589**	**2,268**	**12,858**
Disc	5,940	0	0	5,940	0	5,940	838	0	0	0	838	5,102	1,663	341	2,004

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	209	244	-244	-295	-282
2013	0	0	0	8	0	0	8	60	0	256	316	-307	-603	-546
2014	0	0	0	78	4	0	82	43	0	424	467	-386	-988	-848
2015	0	0	0	121	4	0	125	128	0	337	465	-340	-1,329	-1,090
2016	0	0	0	214	10	0	224	44	0	88	132	92	-1,237	-1,030
2017	0	0	0	365	9	0	373	31	0	63	93	280	-957	-866
2018	0	0	0	419	9	0	427	74	0	75	149	278	-678	-717
2019	0	0	0	404	18	0	422	70	0	75	146	276	-402	-583
2020	0	0	0	464	18	0	481	107	0	104	210	271	-131	-463
2021	0	0	0	435	18	0	453	62	0	77	139	315	184	-337
2022	0	0	0	447	18	6	460	100	0	101	201	258	442	-243
2023	0	0	0	440	19	11	448	61	0	74	136	312	754	-139
2024	0	0	0	406	19	5	420	71	0	77	148	272	1,026	-57
2025	0	0	0	429	19	0	448	75	0	83	159	289	1,315	22
2026	0	0	0	437	20	7	449	90	0	97	187	262	1,578	87
2027	0	0	0	452	20	3	469	110	0	111	222	248	1,826	143
2028	0	0	0	449	20	9	460	85	0	96	182	278	2,104	201
2029	0	0	0	445	21	5	461	88	0	96	185	276	2,380	252
2030	0	0	0	445	21	10	457	67	0	82	149	308	2,688	305
2031	0	0	0	471	22	9	483	87	0	96	182	301	2,989	351
2032	0	0	0	501	22	5	518	131	0	127	258	260	3,248	388
2033	0	0	0	488	23	8	503	86	0	100	186	317	3,566	428
2034	0	0	0	523	23	6	540	120	0	124	244	296	3,862	463
2035	0	0	0	478	24	6	495	63	0	85	148	348	4,210	499
2036	0	0	0	533	24	11	546	110	0	116	226	319	4,529	530
2037	0	0	0	539	24	9	554	115	0	120	234	320	4,849	558
2038	0	0	0	525	25	10	540	85	0	102	187	353	5,202	586
2039	0	0	0	544	25	7	563	80	0	101	181	382	5,583	614
2040	0	0	0	484	28	7	505	85	0	101	186	319	5,902	634
2041	0	0	0	477	30	8	499	93	0	107	200	299	6,201	652
2042	0	0	0	449	31	10	470	76	0	94	170	300	6,501	668
2043	0	0	0	434	19	10	443	76	0	94	170	272	6,773	682
2044	0	0	0	459	7	10	456	91	0	101	191	265	7,038	694
2045	0	0	0	432	7	11	428	83	0	92	175	253	7,291	704
2046	0	0	0	433	8	18	423	78	0	88	166	257	7,548	714
2047	0	0	0	449	8	8	449	84	0	92	177	272	7,819	723
2048	0	0	0	456	8	7	456	91	0	97	188	268	8,087	731
2049	0	0	0	463	8	8	462	90	0	97	187	275	8,362	739
2050	0	0	0	480	8	7	481	97	0	103	200	281	8,644	746
2051	0	0	0	486	8	7	487	86	0	97	183	304	8,948	753
2052	0	0	0	508	8	8	508	96	0	104	200	308	9,257	759
2053	0	0	0	510	9	9	510	98	0	106	203	306	9,563	765
2054	0	0	0	503	9	7	505	76	0	92	168	337	9,899	771
2055	0	0	0	484	9	8	485	37	0	66	103	382	10,281	777
2056	0	0	0	484	10	9	486	104	0	108	212	274	10,555	781
2057	0	0	0	416	12	9	420	77	0	92	169	250	10,805	784
2058	0	0	0	365	14	10	369	48	0	72	120	249	11,055	787
2059	0	0	0	340	0	7	333	49	0	67	116	217	11,272	789
2060	0	0	0	255	0	56	199	6	0	36	42	157	11,429	791
Tot.	**0**	**0**	**0**	**20,427**	**721**	**365**	**20,783**	**3,899**	**0**	**5,456**	**9,355**	**11,429**	**11,429**	**791**
Disc	0	0	0	3,098	123	29	3,192	741	0	1,661	2,401	791	791	791

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	52	0	0	0	0	6	0	0	0	0	6
2012	0	254	0	35	0	0	37	0	11	0	0	48
2013	8	472	0	84	0	0	86	0	25	0	0	111
2014	82	811	0	102	0	0	150	0	31	0	0	180
2015	125	998	0	200	0	0	207	0	60	0	0	267
2016	224	878	0	184	0	0	209	0	55	0	0	264
2017	373	732	0	159	0	0	175	0	48	0	0	223
2018	427	632	0	186	0	0	149	0	56	0	0	204
2019	422	558	0	200	0	0	130	0	60	0	0	190
2020	481	532	0	247	0	0	120	0	74	0	0	194
2021	453	489	0	235	0	0	113	0	70	0	0	183
2022	460	477	0	264	0	0	107	0	79	0	0	186
2023	448	445	0	246	0	0	102	0	74	0	0	176
2024	420	421	0	243	0	0	95	0	73	0	0	168
2025	448	408	0	246	0	0	92	0	74	0	0	165
2026	449	413	0	262	0	0	91	0	79	0	0	170
2027	469	433	0	294	0	0	94	0	88	0	0	183
2028	460	435	0	291	0	0	97	0	87	0	0	184
2029	461	435	0	292	0	0	97	0	88	0	0	184
2030	457	421	0	271	0	0	95	0	81	0	0	176
2031	483	421	0	276	0	0	93	0	83	0	0	176
2032	518	455	0	325	0	0	98	0	97	0	0	195
2033	503	457	0	313	0	0	102	0	94	0	0	196
2034	540	479	0	339	0	0	104	0	102	0	0	206
2035	495	459	0	300	0	0	104	0	90	0	0	194
2036	546	471	0	321	0	0	103	0	96	0	0	199
2037	554	488	0	339	0	0	107	0	102	0	0	209
2038	540	483	0	323	0	0	108	0	97	0	0	205
2039	563	475	0	306	0	0	106	0	92	0	0	198
2040	505	470	0	299	0	0	105	0	90	0	0	195
2041	499	472	0	302	0	0	105	0	91	0	0	195
2042	470	462	0	288	0	0	104	0	86	0	0	190
2043	443	452	0	278	0	0	101	0	83	0	0	185
2044	456	451	0	285	0	0	100	0	86	0	0	186
2045	428	443	0	283	0	0	99	0	85	0	0	184
2046	423	432	0	275	0	0	97	0	83	0	0	180
2047	449	428	0	277	0	0	95	0	83	0	0	179
2048	456	430	0	285	0	0	95	0	86	0	0	181
2049	462	432	0	289	0	0	96	0	87	0	0	183
2050	481	439	0	299	0	0	97	0	90	0	0	187
2051	487	439	0	296	0	0	98	0	89	0	0	186
2052	508	445	0	303	0	0	98	0	91	0	0	189
2053	510	453	0	309	0	0	100	0	93	0	0	193
2054	505	445	0	293	0	0	100	0	88	0	0	188
2055	485	411	0	242	0	0	95	0	73	0	0	167
2056	486	425	0	273	0	0	93	0	82	0	0	175
2057	420	425	0	268	0	0	95	0	80	0	0	175
2058	369	402	0	235	0	0	92	0	71	0	0	162
2059	333	378	0	214	0	0	86	0	64	0	0	150
2060	199	328	0	156	0	0	78	0	47	0	0	124
Tot.	**20,783**	**328**	**0**	**156**	**0**	**0**	**5,205**	**0**	**3,790**	**0**	**0**	**8,995**
Disc	3,192						1,245	0	610	0	0	1,856

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	-6	0	0	0	0	-52	-52	-51	-52	-52	-51
2012	-48	0	0	0	0	-244	-295	-282	-244	-295	-282
2013	-103	0	0	0	0	-307	-603	-546	-307	-603	-546
2014	-99	0	0	0	0	-386	-988	-848	-386	-988	-848
2015	-142	0	0	0	0	-340	-1,329	-1,090	-340	-1,329	-1,090
2016	-40	0	0	0	0	92	-1,237	-1,030	92	-1,237	-1,030
2017	150	0	0	0	0	280	-957	-866	280	-957	-866
2018	223	0	0	0	0	278	-678	-717	278	-678	-717
2019	232	25	17	0	42	276	-402	-583	235	-443	-603
2020	287	43	29	0	72	271	-131	-463	199	-244	-515
2021	270	41	27	0	68	315	184	-337	247	3	-416
2022	274	41	27	0	68	258	442	-243	190	193	-347
2023	272	41	27	0	68	312	754	-139	244	437	-266
2024	252	38	25	0	63	272	1,026	-57	209	646	-203
2025	283	42	28	0	71	289	1,315	22	219	864	-143
2026	279	42	28	0	70	262	1,578	87	192	1,057	-95
2027	287	43	29	0	72	248	1,826	143	176	1,233	-55
2028	276	41	28	0	69	278	2,104	201	209	1,442	-12
2029	277	41	28	0	69	276	2,380	252	207	1,649	27
2030	281	42	28	0	70	308	2,688	305	238	1,887	67
2031	307	46	31	0	77	301	2,989	351	224	2,111	102
2032	322	48	32	0	81	260	3,248	388	179	2,290	127
2033	307	46	31	0	77	317	3,566	428	241	2,531	158
2034	334	50	33	0	83	296	3,862	463	213	2,744	182
2035	301	45	30	0	75	348	4,210	499	272	3,016	211
2036	346	52	35	0	87	319	4,529	530	233	3,249	234
2037	345	52	35	0	86	320	4,849	558	233	3,482	254
2038	335	50	34	0	84	353	5,202	586	269	3,751	275
2039	364	55	36	0	91	382	5,583	614	291	4,042	296
2040	310	47	31	0	78	319	5,902	634	241	4,283	312
2041	303	46	30	0	76	299	6,201	652	223	4,506	325
2042	280	42	28	0	70	300	6,501	668	230	4,736	338
2043	258	39	26	0	64	272	6,773	682	208	4,944	348
2044	270	41	27	0	68	265	7,038	694	197	5,141	357
2045	244	37	24	0	61	253	7,291	704	192	5,333	365
2046	243	36	24	0	61	257	7,548	714	196	5,529	372
2047	270	40	27	0	67	272	7,819	723	204	5,733	379
2048	275	41	28	0	69	268	8,087	731	199	5,932	385
2049	280	42	28	0	70	275	8,362	739	205	6,137	391
2050	294	44	29	0	74	281	8,644	746	208	6,345	396
2051	301	45	30	0	75	304	8,948	753	229	6,574	401
2052	319	48	32	0	80	308	9,257	759	229	6,803	406
2053	317	48	32	0	79	306	9,563	765	227	7,030	410
2054	317	48	32	0	79	337	9,899	771	257	7,287	415
2055	318	48	32	0	79	382	10,281	777	302	7,589	419
2056	311	47	31	0	78	274	10,555	781	196	7,786	422
2057	244	37	24	0	61	250	10,805	784	189	7,975	425
2058	207	31	21	0	52	249	11,055	787	197	8,172	427
2059	183	27	18	0	46	217	11,272	789	171	8,343	429
2060	75	11	8	0	19	157	11,429	791	138	8,481	430
Tot.	**11,788**	**1,768**	**1,179**	**0**	**2,947**	**11,429**	**11,429**	**791**	**8,481**	**8,481**	**430**
Disc	1,337	216	144	0	361	791	791	791	430	430	430

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	413,856	0	413,856	341,373	1.000	413,856	100	49.1	555.8	23.9
Total: Oil Eq.	Mboe	413,856	0	413,856	341,373	1.000	413,856	100	49.1	555.8	23.9

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,285	100	5,102	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,285	100	5,102	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	18.3463	0.0	20,427	20,783	9,355	11,429	27.61	17,836	9,355	8,481	20.49
Non-crown Royalty	0.0000	0.0000	5.0	6,710	6,886	3,938	2,948	7.12	5,998	3,938	2,061	4.98
Mineral Tax	0.0000	0.0000	8.0	4,089	4,208	2,837	1,371	3.31	3,706	2,837	868	2.10
			10.0	3,098	3,192	2,401	791	1.91	2,832	2,401	430	1.04
			12.0	2,425	2,501	2,093	408	0.99	2,235	2,093	141	0.34
			15.0	1,762	1,819	1,772	47	0.11	1,641	1,772	-131	-0.32
			20.0	1,133	1,170	1,436	-266	-0.64	1,071	1,436	-365	-0.88

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:15

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **PPP**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	2,280	832	781	59.59
2014	20	7,220	2,635	2,456	63.25
2015	30	11,625	4,243	3,955	63.58
2016	60	20,408	7,449	6,943	63.68
2017	80	30,235	11,036	10,268	64.63
2018	100	34,701	12,666	11,752	66.78
2019	124	36,572	13,349	12,277	68.25
2020	159	40,178	14,665	12,863	70.45
2021	180	40,135	14,649	12,674	71.96
2022	191	39,946	14,580	12,732	73.50
2023	207	40,931	14,940	12,366	75.08
2024	183	39,609	14,457	11,575	76.58
2025	158	39,541	14,432	11,052	78.11
2026	174	40,550	14,801	11,659	79.67
2027	170	39,306	14,347	11,332	81.26
2028	183	40,458	14,767	11,400	82.89
2029	188	40,484	14,777	11,734	84.55
2030	178	39,511	14,422	11,358	86.24
2031	178	40,404	14,747	11,335	87.96
2032	182	40,461	14,768	11,702	89.72
2033	171	39,258	14,329	11,338	91.52
2034	177	40,300	14,710	11,319	93.35
2035	184	40,524	14,791	11,682	95.21
2036	177	39,496	14,416	11,402	97.12
2037	178	40,230	14,684	11,281	99.06
2038	182	40,360	14,731	11,723	101.04
2039	174	39,477	14,409	11,313	103.06
2040	176	40,171	14,662	11,311	105.12
2041	185	40,476	14,774	11,691	107.23
2042	175	39,241	14,323	11,305	109.37
2043	176	40,002	14,601	11,289	111.56
2044	183	40,395	14,744	11,624	113.79
2045	173	39,269	14,333	11,365	116.06
2046	178	40,271	14,699	11,247	118.39
2047	182	40,258	14,694	11,183	120.75
2048	164	36,819	13,439	10,753	123.17
2049	170	36,037	13,154	10,195	125.63
2050	177	35,470	12,946	9,944	128.14
2051	155	31,203	11,389	8,877	130.71
2052	141	26,950	9,837	7,564	133.32
2053	147	24,715	9,021	6,752	135.99
2054	121	19,218	7,015	5,323	138.71
2055	98	13,976	5,101	3,979	141.48
2056	95	10,755	3,926	2,962	144.31
2057	56	6,145	2,243	1,729	147.20
2058	40	3,710	1,354	1,069	150.14
2059	24	1,911	698	563	153.14
2060	8	574	210	180	156.21
Tot.			**551,794**	**443,178**	**97.24**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	50	0	0	50	0	50	3	0	0	0	3	47	30	4	34
2014	167	0	0	167	0	167	11	0	0	0	11	155	60	12	71
2015	270	0	0	270	0	270	18	0	0	0	18	251	106	18	124
2016	474	0	0	474	0	474	32	0	0	0	32	442	175	34	209
2017	713	0	0	713	0	713	50	0	0	0	50	664	207	43	250
2018	846	0	0	846	0	846	61	0	0	0	61	785	238	48	286
2019	911	0	0	911	0	911	73	0	0	0	73	838	252	52	304
2020	1,033	0	0	1,033	0	1,033	127	0	0	0	127	906	248	53	301
2021	1,054	0	0	1,054	0	1,054	142	0	0	0	142	912	260	57	317
2022	1,072	0	0	1,072	0	1,072	136	0	0	0	136	936	268	58	325
2023	1,122	0	0	1,122	0	1,122	193	0	0	0	193	928	269	57	327
2024	1,107	0	0	1,107	0	1,107	221	0	0	0	221	886	284	62	346
2025	1,127	0	0	1,127	0	1,127	264	0	0	0	264	863	279	61	341
2026	1,179	0	0	1,179	0	1,179	250	0	0	0	250	929	279	60	340
2027	1,166	0	0	1,166	0	1,166	245	0	0	0	245	921	292	64	356
2028	1,224	0	0	1,224	0	1,224	279	0	0	0	279	945	299	65	364
2029	1,249	0	0	1,249	0	1,249	257	0	0	0	257	992	302	65	367
2030	1,244	0	0	1,244	0	1,244	264	0	0	0	264	979	316	69	385
2031	1,297	0	0	1,297	0	1,297	300	0	0	0	300	997	317	69	386
2032	1,325	0	0	1,325	0	1,325	275	0	0	0	275	1,050	317	68	386
2033	1,311	0	0	1,311	0	1,311	274	0	0	0	274	1,038	330	72	402
2034	1,373	0	0	1,373	0	1,373	316	0	0	0	316	1,057	336	73	409
2035	1,408	0	0	1,408	0	1,408	296	0	0	0	296	1,112	339	73	413
2036	1,400	0	0	1,400	0	1,400	293	0	0	0	293	1,107	353	77	430
2037	1,455	0	0	1,455	0	1,455	337	0	0	0	337	1,117	358	78	436
2038	1,488	0	0	1,488	0	1,488	304	0	0	0	304	1,185	358	77	435
2039	1,485	0	0	1,485	0	1,485	319	0	0	0	319	1,166	375	82	457
2040	1,541	0	0	1,541	0	1,541	352	0	0	0	352	1,189	377	82	459
2041	1,584	0	0	1,584	0	1,584	331	0	0	0	331	1,254	381	82	462
2042	1,567	0	0	1,567	0	1,567	330	0	0	0	330	1,236	396	86	483
2043	1,629	0	0	1,629	0	1,629	369	0	0	0	369	1,259	400	87	487
2044	1,678	0	0	1,678	0	1,678	355	0	0	0	355	1,323	406	88	494
2045	1,664	0	0	1,664	0	1,664	345	0	0	0	345	1,319	416	91	507
2046	1,740	0	0	1,740	0	1,740	409	0	0	0	409	1,331	427	94	520
2047	1,774	0	0	1,774	0	1,774	424	0	0	0	424	1,350	411	91	502
2048	1,655	0	0	1,655	0	1,655	331	0	0	0	331	1,324	397	87	484
2049	1,653	0	0	1,653	0	1,653	372	0	0	0	372	1,281	421	90	512
2050	1,659	0	0	1,659	0	1,659	385	0	0	0	385	1,274	415	86	500
2051	1,489	0	0	1,489	0	1,489	328	0	0	0	328	1,160	383	79	462
2052	1,311	0	0	1,311	0	1,311	303	0	0	0	303	1,009	330	71	401
2053	1,227	0	0	1,227	0	1,227	308	0	0	0	308	918	310	63	373
2054	973	0	0	973	0	973	235	0	0	0	235	738	271	49	320
2055	722	0	0	722	0	722	159	0	0	0	159	563	229	35	263
2056	567	0	0	567	0	567	139	0	0	0	139	427	150	25	175
2057	330	0	0	330	0	330	76	0	0	0	76	255	97	14	111
2058	203	0	0	203	0	203	43	0	0	0	43	160	65	8	72
2059	107	0	0	107	0	107	21	0	0	0	21	86	38	4	41
2060	33	0	0	33	0	33	5	0	0	0	5	28	16	1	17
Tot.	**53,655**	**0**	**0**	**53,655**	**0**	**53,655**	**10,960**	**0**	**0**	**0**	**10,960**	**42,696**	**13,578**	**2,866**	**16,445**
Disc	7,768	0	0	7,768	0	7,768	1,268	0	0	0	1,268	6,501	2,055	432	2,487

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	209	244	-244	-296	-282
2013	0	0	0	12	0	0	12	52	0	251	303	-290	-586	-532
2014	0	0	0	84	4	0	88	43	0	436	479	-391	-977	-838
2015	0	0	0	128	4	0	131	128	0	431	559	-428	-1,406	-1,142
2016	0	0	0	233	10	0	243	65	0	268	333	-90	-1,496	-1,201
2017	0	0	0	413	8	0	421	54	0	152	207	214	-1,281	-1,075
2018	0	0	0	499	7	0	506	69	0	88	157	349	-932	-888
2019	0	0	0	534	16	0	550	50	0	68	118	432	-500	-679
2020	0	0	0	605	15	0	621	96	0	102	198	423	-77	-492
2021	0	0	0	595	16	0	611	74	0	92	166	444	367	-314
2022	0	0	0	611	16	0	627	65	0	89	154	473	840	-141
2023	0	0	0	602	16	9	609	104	0	117	221	388	1,228	-12
2024	0	0	0	541	17	13	544	84	0	103	186	358	1,586	95
2025	0	0	0	523	17	1	539	50	0	77	127	413	1,999	209
2026	0	0	0	589	17	10	596	101	0	113	214	383	2,381	304
2027	0	0	0	565	18	10	573	90	0	107	198	375	2,757	389
2028	0	0	0	581	18	2	596	68	0	95	162	434	3,191	478
2029	0	0	0	625	18	7	635	112	0	126	239	397	3,587	552
2030	0	0	0	594	19	9	604	88	0	110	198	406	3,993	621
2031	0	0	0	611	19	7	623	65	0	96	161	463	4,456	693
2032	0	0	0	664	19	13	671	119	0	133	252	419	4,876	752
2033	0	0	0	636	20	10	645	103	0	122	225	420	5,296	806
2034	0	0	0	647	20	4	664	71	0	102	172	491	5,787	863
2035	0	0	0	700	21	11	709	119	0	137	256	454	6,241	911
2036	0	0	0	678	21	9	690	109	0	130	239	451	6,692	954
2037	0	0	0	682	22	6	697	70	0	106	176	521	7,213	1,000
2038	0	0	0	750	22	13	758	140	0	154	294	464	7,677	1,036
2039	0	0	0	709	22	10	721	102	0	129	231	490	8,168	1,072
2040	0	0	0	730	23	5	748	84	0	118	202	546	8,714	1,108
2041	0	0	0	791	23	14	801	138	0	157	295	506	9,220	1,138
2042	0	0	0	754	24	12	765	117	0	142	259	507	9,726	1,165
2043	0	0	0	772	24	5	791	92	0	127	218	573	10,299	1,193
2044	0	0	0	829	25	14	840	137	0	159	296	543	10,843	1,218
2045	0	0	0	812	25	12	826	137	0	159	295	530	11,373	1,239
2046	0	0	0	811	26	6	831	77	0	121	198	632	12,005	1,263
2047	0	0	0	848	26	16	859	85	0	128	212	646	12,652	1,285
2048	0	0	0	840	28	12	856	166	0	178	344	512	13,164	1,300
2049	0	0	0	769	30	7	792	84	0	128	211	580	13,744	1,316
2050	0	0	0	774	32	16	790	74	0	123	197	593	14,337	1,331
2051	0	0	0	698	19	14	703	81	0	124	206	498	14,835	1,343
2052	0	0	0	607	8	7	608	54	0	99	153	455	15,290	1,352
2053	0	0	0	545	10	17	539	11	0	72	83	456	15,746	1,361
2054	0	0	0	418	12	15	415	6	0	60	66	349	16,095	1,367
2055	0	0	0	300	14	15	299	9	0	54	64	235	16,330	1,371
2056	0	0	0	253	0	24	228	3	0	41	44	184	16,514	1,373
2057	0	0	0	143	0	11	133	3	0	27	30	103	16,617	1,375
2058	0	0	0	88	0	12	76	3	0	21	24	53	16,670	1,375
2059	0	0	0	45	0	20	25	2	0	13	15	10	16,680	1,375
2060	0	0	0	11	0	5	6	0	0	4	4	2	16,681	1,375
Tot.	**0**	**0**	**0**	**26,251**	**769**	**404**	**26,616**	**3,688**	**0**	**6,247**	**9,935**	**16,681**	**16,681**	**1,375**
Disc	0	0	0	4,014	113	31	4,096	753	0	1,967	2,720	1,375	1,375	1,375

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	52	0	0	0	0	6	0	0	0	0	6
2012	0	254	0	35	0	0	37	0	11	0	0	48
2013	12	467	0	77	0	0	86	0	23	0	0	108
2014	88	818	0	97	0	0	150	0	29	0	0	179
2015	131	1,099	0	196	0	0	221	0	59	0	0	280
2016	243	1,146	0	203	0	0	253	0	61	0	0	314
2017	421	1,045	0	196	0	0	242	0	59	0	0	301
2018	506	891	0	206	0	0	212	0	62	0	0	274
2019	550	747	0	195	0	0	178	0	58	0	0	237
2020	621	671	0	232	0	0	155	0	70	0	0	225
2021	611	608	0	237	0	0	140	0	71	0	0	211
2022	627	556	0	230	0	0	128	0	69	0	0	197
2023	609	546	0	265	0	0	122	0	79	0	0	201
2024	544	526	0	269	0	0	119	0	81	0	0	200
2025	539	484	0	238	0	0	112	0	71	0	0	183
2026	596	486	0	267	0	0	107	0	80	0	0	188
2027	573	486	0	278	0	0	108	0	83	0	0	191
2028	596	473	0	262	0	0	106	0	79	0	0	185
2029	635	493	0	296	0	0	107	0	89	0	0	196
2030	604	495	0	295	0	0	110	0	88	0	0	199
2031	623	481	0	271	0	0	108	0	81	0	0	190
2032	671	505	0	309	0	0	110	0	93	0	0	202
2033	645	518	0	319	0	0	114	0	96	0	0	210
2034	664	505	0	294	0	0	114	0	88	0	0	202
2035	709	528	0	325	0	0	115	0	97	0	0	212
2036	690	543	0	336	0	0	120	0	101	0	0	220
2037	697	530	0	306	0	0	119	0	92	0	0	211
2038	758	564	0	354	0	0	122	0	106	0	0	228
2039	721	571	0	350	0	0	127	0	105	0	0	232
2040	748	562	0	329	0	0	126	0	99	0	0	224
2041	801	593	0	369	0	0	129	0	111	0	0	239
2042	765	607	0	375	0	0	134	0	112	0	0	246
2043	791	599	0	354	0	0	134	0	106	0	0	240
2044	840	625	0	385	0	0	136	0	115	0	0	252
2045	826	647	0	406	0	0	142	0	122	0	0	264
2046	831	626	0	361	0	0	141	0	108	0	0	250
2047	859	613	0	338	0	0	137	0	101	0	0	238
2048	856	654	0	402	0	0	141	0	121	0	0	262
2049	792	640	0	365	0	0	144	0	110	0	0	254
2050	790	619	0	329	0	0	139	0	99	0	0	238
2051	703	604	0	312	0	0	135	0	94	0	0	229
2052	608	568	0	272	0	0	130	0	82	0	0	211
2053	539	510	0	201	0	0	119	0	60	0	0	179
2054	415	452	0	147	0	0	105	0	44	0	0	149
2055	299	400	0	112	0	0	93	0	34	0	0	127
2056	228	348	0	82	0	0	82	0	25	0	0	106
2057	133	293	0	60	0	0	70	0	18	0	0	88
2058	76	244	0	45	0	0	58	0	14	0	0	72
2059	25	198	0	33	0	0	48	0	10	0	0	58
2060	6	155	0	23	0	0	38	0	7	0	0	45
Tot.	**26,616**	**155**	**0**	**23**	**0**	**0**	**6,131**	**0**	**3,671**	**0**	**0**	**9,802**
Disc	4,096						1,476	0	621	0	0	2,097

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	-6	0	0	0	0	-52	-52	-51	-52	-52	-51
2012	-48	0	0	0	0	-244	-296	-282	-244	-296	-282
2013	-96	0	0	0	0	-290	-586	-532	-290	-586	-532
2014	-91	0	0	0	0	-391	-977	-838	-391	-977	-838
2015	-149	0	0	0	0	-428	-1,406	-1,142	-428	-1,406	-1,142
2016	-71	0	0	0	0	-90	-1,496	-1,201	-90	-1,496	-1,201
2017	120	0	0	0	0	214	-1,281	-1,075	214	-1,281	-1,075
2018	233	0	0	0	0	349	-932	-888	349	-932	-888
2019	313	31	20	0	51	432	-500	-679	381	-552	-703
2020	396	59	40	0	99	423	-77	-492	324	-228	-560
2021	399	60	40	0	100	444	367	-314	345	117	-422
2022	430	64	43	0	107	473	840	-141	366	483	-289
2023	408	61	41	0	102	388	1,228	-12	286	769	-194
2024	345	52	34	0	86	358	1,586	95	272	1,041	-112
2025	356	53	36	0	89	413	1,999	209	323	1,364	-23
2026	409	61	41	0	102	383	2,381	304	280	1,645	46
2027	381	57	38	0	95	375	2,757	389	280	1,924	110
2028	412	62	41	0	103	434	3,191	478	331	2,256	178
2029	439	66	44	0	110	397	3,587	552	287	2,543	232
2030	405	61	41	0	101	406	3,993	621	305	2,847	284
2031	434	65	43	0	108	463	4,456	693	354	3,202	338
2032	469	70	47	0	117	419	4,876	752	302	3,504	381
2033	435	65	44	0	109	420	5,296	806	311	3,815	421
2034	462	69	46	0	115	491	5,787	863	376	4,191	464
2035	497	75	50	0	124	454	6,241	911	330	4,520	499
2036	469	70	47	0	117	451	6,692	954	334	4,854	531
2037	487	73	49	0	122	521	7,213	1,000	400	5,253	566
2038	530	80	53	0	133	464	7,677	1,036	332	5,585	592
2039	489	73	49	0	122	490	8,168	1,072	368	5,953	619
2040	524	79	52	0	131	546	8,714	1,108	416	6,369	646
2041	562	84	56	0	140	506	9,220	1,138	365	6,734	668
2042	519	78	52	0	130	507	9,726	1,165	377	7,111	688
2043	551	83	55	0	138	573	10,299	1,193	435	7,546	710
2044	588	88	59	0	147	543	10,843	1,218	396	7,943	728
2045	562	84	56	0	140	530	11,373	1,239	390	8,332	743
2046	581	87	58	0	145	632	12,005	1,263	487	8,819	761
2047	620	93	62	0	155	646	12,652	1,285	491	9,311	778
2048	594	89	59	0	149	512	13,164	1,300	364	9,674	789
2049	538	81	54	0	135	580	13,744	1,316	446	10,120	802
2050	552	83	55	0	138	593	14,337	1,331	455	10,575	813
2051	474	71	47	0	119	498	14,835	1,343	379	10,954	822
2052	397	60	40	0	99	455	15,290	1,352	356	11,310	829
2053	360	54	36	0	90	456	15,746	1,361	366	11,676	836
2054	266	40	27	0	66	349	16,095	1,367	283	11,959	841
2055	172	26	17	0	43	235	16,330	1,371	192	12,151	844
2056	122	18	12	0	30	184	16,514	1,373	154	12,305	846
2057	45	7	4	0	11	103	16,617	1,375	92	12,396	847
2058	4	1	0	0	1	53	16,670	1,375	51	12,448	848
2059	-33	0	0	0	0	10	16,680	1,375	10	12,458	848
2060	-39	0	0	0	0	2	16,681	1,375	2	12,460	848
Tot.	**16,814**	**2,533**	**1,689**	**0**	**4,222**	**16,681**	**16,681**	**1,375**	**12,460**	**12,460**	**848**
Disc	1,999	316	211	0	527	1,375	1,375	1,375	848	848	848

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	551,794	0	551,794	443,178	1.000	551,794	100	49.1	663.1	24.3
Total: Oil Eq.	Mboe	551,794	0	551,794	443,178	1.000	551,794	100	49.1	663.1	24.3

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,696	100	6,501	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,696	100	6,501	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	20.4259	0.0	26,251	26,616	9,935	16,681	30.23	22,395	9,935	12,460	22.58
Non-crown Royalty	0.0000	0.0000	5.0	8,822	8,981	4,410	4,571	8.28	7,673	4,410	3,262	5.91
Mineral Tax	0.0000	0.0000	8.0	5,338	5,443	3,207	2,236	4.05	4,705	3,207	1,497	2.71
			10.0	4,014	4,096	2,720	1,375	2.49	3,569	2,720	848	1.54
			12.0	3,117	3,183	2,373	810	1.47	2,795	2,373	422	0.76
			15.0	2,238	2,287	2,007	280	0.51	2,031	2,007	24	0.04
			20.0	1,414	1,447	1,620	-173	-0.31	1,306	1,620	-313	-0.57

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:16

RESOURCES FORECASTS

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Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES			
Heavy Oil (Mbbl)			
Total Company Interest	1,006,248	2,320,753	7,659,253
Working Interest	1,006,248	2,320,753	7,659,253
Net After Royalty	838,447	1,917,145	6,297,793
Oil Equivalent (Mbbl)			
Total Company Interest	1,006,248	2,320,753	7,659,253
Working Interest	1,006,248	2,320,753	7,659,253
Net After Royalty	838,447	1,917,145	6,297,793
BEFORE TAX PRESENT VALUE (M$)			
0%	21,735,763	52,944,908	190,093,016
5%	6,761,235	15,464,689	50,629,681
8%	3,198,395	7,376,161	23,943,904
10%	1,788,310	4,340,237	14,372,396
12%	834,599	2,363,717	8,293,074
15%	-64,534	580,141	2,916,676
20%	-798,301	-781,535	-1,135,645
AFTER TAX PRESENT VALUE (M$)			
0%	16,145,846	39,320,155	141,625,199
5%	4,623,984	10,717,636	35,659,960
8%	1,916,038	4,657,282	15,729,402
10%	854,008	2,412,662	8,667,564
12%	142,143	970,111	4,234,290
15%	-519,134	-304,609	385,596
20%	-1,038,646	-1,226,821	-2,385,444

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:20

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Resource Class: **Contingent Resources**
Development Class: **Low Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Production, Resources and Present Value Summary

Entity Description	2011 Company Interest Prod'n Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Company Interest Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Net After Royalty Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Resource Life Index yrs	Before Income Tax Discounted Present Value (MM$) 0%	8%	10%	12%
Total Properties																			
Crow Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
East Long Lake	0	0	0	0	0	15	0	0	15	0	12	0	0	12	37.5	389	95	64	42
Ells Leduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Ells/Legend Lake	0	0	0	0	0	657	0	0	657	0	542	0	0	542	999.9	15,147	2,537	1,559	890
Goffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Muskwa Carbonates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Pelican	0	0	0	0	0	77	0	0	77	0	63	0	0	63	559.1	1,640	206	100	30
Portage (Grand Rapids)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Nisku)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Saleski	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
South Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Thickwood	0	0	0	0	0	258	0	0	258	0	221	0	0	221	434.4	4,559	360	65	-127
Total: Total Properties	**0**	**0**	**0**	**0**	**0**	**1,006**	**0**	**0**	**1,006**	**0**	**838**	**0**	**0**	**838**	**999.9**	**21,736**	**3,198**	**1,788**	**835**

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Resource Class: **Contingent Resources**
Development Class: **Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Production, Resources and Present Value Summary

Entity Description	2011 Company Interest Prod'n Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Company Interest Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Net After Royalty Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Resource Life Index yrs	Before Income Tax Discounted Present Value (MM$) 0%	8%	10%	12%
Total Properties																			
Crow Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
East Long Lake	0	0	0	0	0	33	0	0	33	0	25	0	0	25	34.0	843	226	160	110
Ells Leduc	0	0	0	0	0	159	0	0	159	0	131	0	0	131	66.7	3,421	680	448	286
Ells/Legend Lake	0	0	0	0	0	1,231	0	0	1,231	0	998	0	0	998	200.9	32,324	4,383	2,699	1,626
Goffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Harper	0	0	0	0	0	393	0	0	393	0	338	0	0	338	999.9	6,660	655	243	-25
Muskwa Carbonates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Pelican	0	0	0	0	0	118	0	0	118	0	96	0	0	96	644.4	2,727	444	270	154
Portage (Grand Rapids)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Portage (Nisku)	0	0	0	0	0	64	0	0	64	0	55	0	0	55	332.8	1,003	73	8	-35
Saleski	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
South Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Thickwood	0	0	0	0	0	325	0	0	325	0	274	0	0	274	90.7	5,967	916	513	247
Total: Total Properties	**0**	**0**	**0**	**0**	**0**	**2,321**	**0**	**0**	**2,321**	**0**	**1,917**	**0**	**0**	**1,917**	**999.9**	**52,945**	**7,376**	**4,340**	**2,364**

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Resource Class: **Contingent Resources**
Development Class: **High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Production, Resources and Present Value Summary

Entity Description	2011 Company Interest Prod'n Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Company Interest Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Net After Royalty Resources Gas MMcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Oil Eq. MMboe	Resource Life Index yrs	Before Income Tax Discounted Present Value (MM$) 0%	8%	10%	12%
Total Properties																			
Crow Lake	0	0	0	0	0	14	0	0	14	0	12	0	0	12	40.7	269	45	24	9
East Long Lake	0	0	0	0	0	74	0	0	74	0	57	0	0	57	39.6	1,992	502	353	243
Ells Leduc	0	0	0	0	0	271	0	0	271	0	217	0	0	217	89.1	6,937	1,334	904	610
Ells/Legend Lake	0	0	0	0	0	1,816	0	0	1,816	0	1,422	0	0	1,422	381.2	58,577	7,188	4,476	2,788
Goffer	0	0	0	0	0	521	0	0	521	0	459	0	0	459	226.7	8,343	473	71	-172
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	0
Harper	0	0	0	0	0	1,405	0	0	1,405	0	1,156	0	0	1,156	999.9	35,633	4,347	2,668	1,621
Muskwa Carbonates	0	0	0	0	0	1,810	0	0	1,810	0	1,553	0	0	1,553	999.9	36,627	2,886	1,308	382
Pelican	0	0	0	0	0	185	0	0	185	0	145	0	0	145	779.5	5,365	913	596	386
Portage (Grand Rapids)	0	0	0	0	0	4	0	0	4	0	3	0	0	3	7.6	123	8	4	2
Portage (Nisku)	0	0	0	0	0	961	0	0	961	0	780	0	0	780	999.9	23,076	4,219	2,771	1,785
Saleski	0	0	0	0	0	123	0	0	123	0	102	0	0	102	48.2	2,544	426	243	114
South Thickwood	0	0	0	0	0	56	0	0	56	0	48	0	0	48	30.5	859	140	63	6
Thickwood	0	0	0	0	0	419	0	0	419	0	344	0	0	344	117.4	9,749	1,463	890	518
Total: Total Properties	**0**	**0**	**0**	**0**	**0**	**7,659**	**0**	**0**	**7,659**	**0**	**6,298**	**0**	**0**	**6,298**	**999.9**	**190,093**	**23,944**	**14,372**	**8,293**

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Contingent Resources**
Development Class: **Low Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	1,800	657	617	59.59
2014	24	6,600	2,409	2,245	63.25
2015	34	10,625	3,878	3,615	63.58
2016	71	18,898	6,898	6,429	63.67
2017	173	46,316	16,905	15,729	64.63
2018	232	70,152	25,605	23,758	66.78
2019	333	93,640	34,178	31,624	68.25
2020	345	107,884	39,378	36,330	70.45
2021	387	106,970	39,044	35,818	71.96
2022	433	104,603	38,180	33,708	73.50
2023	466	103,830	37,898	33,139	75.08
2024	506	107,575	39,265	33,309	76.58
2025	539	111,526	40,707	34,071	78.11
2026	436	105,186	38,393	31,612	79.67
2027	403	105,239	38,412	31,265	81.26
2028	441	106,848	39,000	31,501	82.89
2029	475	108,154	39,476	31,873	84.55
2030	480	108,097	39,455	31,795	86.24
2031	471	107,552	39,257	31,459	87.96
2032	458	106,155	38,747	31,462	89.72
2033	445	104,509	38,146	30,733	91.52
2034	463	104,653	38,198	31,285	93.35
2035	465	102,505	37,414	30,745	95.21
2036	477	102,132	37,278	30,087	97.12
2037	468	99,742	36,406	30,076	99.06
2038	475	98,475	35,943	29,056	101.04
2039	469	96,614	35,264	28,374	103.06
2040	443	90,913	33,183	26,313	105.12
2041	420	82,711	30,189	23,951	107.23
2042	395	72,985	26,639	20,290	109.37
2043	336	59,351	21,663	16,229	111.56
2044	274	43,674	15,941	12,105	113.79
2045	204	27,996	10,219	8,029	116.06
2046	147	16,813	6,137	5,067	118.39
2047	99	9,254	3,378	2,695	120.75
2048	66	5,021	1,833	1,474	123.17
2049	27	1,619	591	506	125.63
2050	4	225	82	75	128.14
Tot.			**1,006,248**	**838,447**	**87.58**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	39	0	0	39	0	39	2	0	0	0	2	37	28	3	32
2014	152	0	0	152	0	152	10	0	0	0	10	142	82	11	93
2015	247	0	0	247	0	247	17	0	0	0	17	230	129	16	145
2016	439	0	0	439	0	439	30	0	0	0	30	409	216	33	249
2017	1,093	0	0	1,093	0	1,093	76	0	0	0	76	1,017	439	82	522
2018	1,710	0	0	1,710	0	1,710	123	0	0	0	123	1,587	573	115	688
2019	2,333	0	0	2,333	0	2,333	174	0	0	0	174	2,158	763	159	922
2020	2,774	0	0	2,774	0	2,774	215	0	0	0	215	2,559	747	170	917
2021	2,810	0	0	2,810	0	2,810	232	0	0	0	232	2,577	742	172	914
2022	2,806	0	0	2,806	0	2,806	329	0	0	0	329	2,478	729	174	903
2023	2,845	0	0	2,845	0	2,845	357	0	0	0	357	2,488	755	178	932
2024	3,007	0	0	3,007	0	3,007	456	0	0	0	456	2,551	768	179	947
2025	3,180	0	0	3,180	0	3,180	518	0	0	0	518	2,661	790	184	974
2026	3,059	0	0	3,059	0	3,059	540	0	0	0	540	2,519	793	190	983
2027	3,122	0	0	3,122	0	3,122	581	0	0	0	581	2,541	799	193	992
2028	3,233	0	0	3,233	0	3,233	622	0	0	0	622	2,611	826	198	1,024
2029	3,338	0	0	3,338	0	3,338	643	0	0	0	643	2,695	852	202	1,055
2030	3,403	0	0	3,403	0	3,403	661	0	0	0	661	2,742	868	206	1,074
2031	3,453	0	0	3,453	0	3,453	686	0	0	0	686	2,767	878	208	1,086
2032	3,476	0	0	3,476	0	3,476	654	0	0	0	654	2,823	893	212	1,105
2033	3,491	0	0	3,491	0	3,491	678	0	0	0	678	2,813	907	216	1,123
2034	3,566	0	0	3,566	0	3,566	645	0	0	0	645	2,920	929	219	1,148
2035	3,562	0	0	3,562	0	3,562	635	0	0	0	635	2,927	948	223	1,170
2036	3,620	0	0	3,620	0	3,620	698	0	0	0	698	2,922	960	226	1,186
2037	3,606	0	0	3,606	0	3,606	627	0	0	0	627	2,979	914	224	1,137
2038	3,632	0	0	3,632	0	3,632	696	0	0	0	696	2,936	941	231	1,172
2039	3,634	0	0	3,634	0	3,634	710	0	0	0	710	2,924	928	228	1,156
2040	3,488	0	0	3,488	0	3,488	722	0	0	0	722	2,766	906	221	1,128
2041	3,237	0	0	3,237	0	3,237	669	0	0	0	669	2,568	837	202	1,039
2042	2,914	0	0	2,914	0	2,914	694	0	0	0	694	2,219	765	182	947
2043	2,417	0	0	2,417	0	2,417	606	0	0	0	606	1,810	605	142	747
2044	1,814	0	0	1,814	0	1,814	436	0	0	0	436	1,377	486	103	589
2045	1,186	0	0	1,186	0	1,186	254	0	0	0	254	932	391	65	456
2046	726	0	0	726	0	726	127	0	0	0	127	600	298	39	337
2047	408	0	0	408	0	408	82	0	0	0	82	325	141	19	160
2048	226	0	0	226	0	226	44	0	0	0	44	182	79	9	88
2049	74	0	0	74	0	74	11	0	0	0	11	64	33	3	36
2050	11	0	0	11	0	11	1	0	0	0	1	10	9	0	9
Tot.	**88,129**	**0**	**0**	**88,129**	**0**	**88,129**	**15,264**	**0**	**0**	**0**	**15,264**	**72,866**	**23,749**	**5,437**	**29,186**
Disc	17,083	0	0	17,083	0	17,083	2,418	0	0	0	2,418	14,665	4,838	1,074	5,913

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	40	0	213	253	-253	-304	-291
2013	0	0	0	5	0	0	5	74	0	289	363	-358	-662	-598
2014	0	0	0	49	4	0	53	51	0	552	603	-550	-1,213	-1,029
2015	0	0	0	84	4	0	88	168	0	846	1,013	-925	-2,138	-1,686
2016	0	0	0	160	10	0	170	451	0	1,180	1,631	-1,461	-3,599	-2,630
2017	0	0	0	495	17	0	512	270	0	858	1,128	-616	-4,215	-2,992
2018	0	0	0	899	13	0	911	453	0	771	1,224	-312	-4,527	-3,159
2019	0	0	0	1,237	16	0	1,253	78	0	241	319	934	-3,593	-2,705
2020	0	0	0	1,642	13	0	1,655	201	0	234	435	1,220	-2,373	-2,167
2021	0	0	0	1,663	14	0	1,678	267	0	287	554	1,123	-1,250	-1,716
2022	0	0	0	1,574	15	3	1,587	283	0	309	591	995	-255	-1,353
2023	0	0	0	1,555	16	7	1,564	337	0	353	691	873	619	-1,064
2024	0	0	0	1,604	15	6	1,613	246	0	303	550	1,063	1,682	-743
2025	0	0	0	1,687	15	19	1,682	326	0	366	692	991	2,672	-472
2026	0	0	0	1,536	16	12	1,539	240	0	291	531	1,008	3,680	-221
2027	0	0	0	1,549	16	35	1,530	296	0	324	619	911	4,591	-14
2028	0	0	0	1,587	17	5	1,598	311	0	344	655	944	5,535	180
2029	0	0	0	1,640	16	36	1,620	317	0	358	676	944	6,479	356
2030	0	0	0	1,668	17	9	1,675	316	0	361	677	998	7,477	526
2031	0	0	0	1,681	17	20	1,678	300	0	352	653	1,026	8,503	685
2032	0	0	0	1,718	18	20	1,716	351	0	386	737	979	9,482	823
2033	0	0	0	1,690	19	23	1,686	312	0	360	672	1,014	10,496	952
2034	0	0	0	1,772	19	24	1,767	387	0	417	804	963	11,458	1,064
2035	0	0	0	1,757	21	21	1,757	385	0	419	805	953	12,411	1,165
2036	0	0	0	1,736	21	26	1,731	312	0	376	688	1,043	13,454	1,265
2037	0	0	0	1,842	23	20	1,844	439	0	462	901	943	14,397	1,347
2038	0	0	0	1,764	23	24	1,763	328	0	392	720	1,043	15,440	1,430
2039	0	0	0	1,768	24	24	1,768	317	0	385	703	1,065	16,505	1,507
2040	0	0	0	1,638	25	25	1,639	231	0	323	555	1,084	17,589	1,578
2041	0	0	0	1,529	15	25	1,519	216	0	309	525	994	18,582	1,637
2042	0	0	0	1,272	6	24	1,254	43	0	188	231	1,023	19,605	1,693
2043	0	0	0	1,064	6	29	1,041	11	0	143	154	886	20,492	1,736
2044	0	0	0	788	11	33	766	10	0	123	134	633	21,124	1,765
2045	0	0	0	476	2	28	450	1	0	93	94	355	21,479	1,779
2046	0	0	0	263	7	54	215	0	0	73	73	142	21,622	1,784
2047	0	0	0	166	0	17	149	0	0	42	42	107	21,728	1,788
2048	0	0	0	93	0	21	73	0	0	27	27	45	21,774	1,789
2049	0	0	0	28	0	12	16	0	0	12	12	4	21,778	1,789
2050	0	0	0	1	0	40	-39	0	0	3	3	-42	21,736	1,788
Tot.	**0**	**0**	**0**	**43,680**	**492**	**646**	**43,526**	**8,372**	**0**	**13,418**	**21,790**	**21,736**	**21,736**	**1,788**
Disc	0	0	0	8,753	109	66	8,795	2,239	0	4,768	7,007	1,788	1,788	1,788

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	52	0	0	0	0	6	0	0	0	0	6
2012	0	258	0	40	0	0	38	0	12	0	0	50
2013	5	508	0	103	0	0	91	0	31	0	0	122
2014	53	970	0	123	0	0	173	0	37	0	0	210
2015	88	1,642	0	254	0	0	305	0	76	0	0	381
2016	170	2,517	0	629	0	0	482	0	189	0	0	670
2017	512	2,893	0	710	0	0	616	0	213	0	0	829
2018	911	3,048	0	950	0	0	666	0	285	0	0	951
2019	1,253	2,624	0	743	0	0	626	0	223	0	0	849
2020	1,655	2,232	0	721	0	0	529	0	216	0	0	745
2021	1,678	1,990	0	772	0	0	462	0	232	0	0	693
2022	1,587	1,837	0	823	0	0	421	0	247	0	0	668
2023	1,564	1,770	0	914	0	0	398	0	274	0	0	672
2024	1,613	1,675	0	886	0	0	381	0	266	0	0	647
2025	1,682	1,660	0	946	0	0	369	0	284	0	0	653
2026	1,539	1,581	0	903	0	0	359	0	271	0	0	630
2027	1,530	1,546	0	928	0	0	346	0	278	0	0	624
2028	1,598	1,544	0	960	0	0	343	0	288	0	0	631
2029	1,620	1,559	0	989	0	0	345	0	297	0	0	642
2030	1,675	1,576	0	1,008	0	0	349	0	302	0	0	651
2031	1,678	1,579	0	1,006	0	0	351	0	302	0	0	653
2032	1,716	1,614	0	1,056	0	0	355	0	317	0	0	672
2033	1,686	1,619	0	1,051	0	0	360	0	315	0	0	675
2034	1,767	1,676	0	1,123	0	0	367	0	337	0	0	704
2035	1,757	1,728	0	1,171	0	0	380	0	351	0	0	731
2036	1,731	1,725	0	1,132	0	0	384	0	340	0	0	724
2037	1,844	1,803	0	1,232	0	0	393	0	369	0	0	762
2038	1,763	1,803	0	1,190	0	0	402	0	357	0	0	759
2039	1,768	1,786	0	1,150	0	0	398	0	345	0	0	743
2040	1,639	1,711	0	1,037	0	0	387	0	311	0	0	698
2041	1,519	1,633	0	942	0	0	370	0	283	0	0	652
2042	1,254	1,451	0	702	0	0	339	0	211	0	0	550
2043	1,041	1,255	0	502	0	0	296	0	151	0	0	447
2044	766	1,082	0	362	0	0	255	0	109	0	0	364
2045	450	920	0	255	0	0	218	0	76	0	0	295
2046	215	775	0	178	0	0	185	0	54	0	0	238
2047	149	632	0	125	0	0	153	0	37	0	0	190
2048	73	507	0	87	0	0	123	0	26	0	0	149
2049	16	395	0	61	0	0	97	0	18	0	0	116
2050	-39	300	0	43	0	0	75	0	13	0	0	88
Tot.	**43,526**	**300**	**0**	**43**	**0**	**0**	**13,192**	**0**	**8,342**	**0**	**0**	**21,535**
Disc	8,795						3,573	0	1,847	0	0	5,420

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	-6	0	0	0	0	-52	-52	-51	-52	-52	-51
2012	-50	0	0	0	0	-253	-304	-291	-253	-304	-291
2013	-117	0	0	0	0	-358	-662	-598	-358	-662	-598
2014	-157	0	0	0	0	-550	-1,213	-1,029	-550	-1,213	-1,029
2015	-293	0	0	0	0	-925	-2,138	-1,686	-925	-2,138	-1,686
2016	-500	0	0	0	0	-1,461	-3,599	-2,630	-1,461	-3,599	-2,630
2017	-317	0	0	0	0	-616	-4,215	-2,992	-616	-4,215	-2,992
2018	-39	0	0	0	0	-312	-4,527	-3,159	-312	-4,527	-3,159
2019	404	0	0	0	0	934	-3,593	-2,705	934	-3,593	-2,705
2020	910	0	0	0	0	1,220	-2,373	-2,167	1,220	-2,373	-2,167
2021	984	123	82	0	205	1,123	-1,250	-1,716	919	-1,455	-1,798
2022	919	138	92	0	230	995	-255	-1,353	765	-689	-1,519
2023	892	134	89	0	223	873	619	-1,064	651	-39	-1,304
2024	966	145	97	0	242	1,063	1,682	-743	821	783	-1,056
2025	1,029	154	103	0	257	991	2,672	-472	733	1,516	-855
2026	910	136	91	0	227	1,008	3,680	-221	781	2,297	-661
2027	906	136	91	0	226	911	4,591	-14	684	2,981	-506
2028	967	145	97	0	242	944	5,535	180	702	3,683	-361
2029	978	147	98	0	245	944	6,479	356	700	4,383	-230
2030	1,024	154	102	0	256	998	7,477	526	742	5,125	-104
2031	1,026	154	103	0	256	1,026	8,503	685	769	5,894	15
2032	1,044	157	104	0	261	979	9,482	823	718	6,612	116
2033	1,011	152	101	0	253	1,014	10,496	952	761	7,373	213
2034	1,063	159	106	0	266	963	11,458	1,064	697	8,070	294
2035	1,026	154	103	0	257	953	12,411	1,165	696	8,766	368
2036	1,008	151	101	0	252	1,043	13,454	1,265	791	9,557	444
2037	1,082	162	108	0	270	943	14,397	1,347	673	10,230	502
2038	1,005	151	100	0	251	1,043	15,440	1,430	792	11,021	565
2039	1,024	154	102	0	256	1,065	16,505	1,507	809	11,830	624
2040	940	141	94	0	235	1,084	17,589	1,578	849	12,679	679
2041	867	130	87	0	217	994	18,582	1,637	777	13,456	726
2042	704	106	70	0	176	1,023	19,605	1,693	847	14,303	772
2043	594	89	59	0	149	886	20,492	1,736	738	15,041	808
2044	402	60	40	0	101	633	21,124	1,765	532	15,573	832
2045	155	23	15	0	39	355	21,479	1,779	316	15,890	845
2046	-23	0	0	0	0	142	21,622	1,784	142	16,032	850
2047	-41	0	0	0	0	107	21,728	1,788	107	16,139	854
2048	-77	0	0	0	0	45	21,774	1,789	45	16,184	855
2049	-100	0	0	0	0	4	21,778	1,789	4	16,188	855
2050	-127	0	0	0	0	-42	21,736	1,788	-42	16,146	854
Tot.	**21,991**	**3,354**	**2,236**	**0**	**5,590**	**21,736**	**21,736**	**1,788**	**16,146**	**16,146**	**854**
Disc	3,375	561	374	0	934	1,788	1,788	1,788	854	854	854

SUMMARY OF RESOURCES

Product	Units	Remaining Resources at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Resource Life Indic. (yr): Resource Life	Life Index	Half Life
Heavy Oil	Mbbl	1,006,248	0	1,006,248	838,447	1.000	1,006,248	100	39.1	999.9	19.6
Total: Oil Eq.	Mboe	1,006,248	0	1,006,248	838,447	1.000	1,006,248	100	39.1	999.9	19.6

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72,866	100	14,665	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72,866	100	14,665	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	17.3195	0.0	43,680	43,526	21,790	21,736	21.60	37,936	21,790	16,146	16.05
Non-crown Royalty	0.0000	0.0000	5.0	18,003	18,026	11,265	6,761	6.72	15,889	11,265	4,624	4.60
Mineral Tax	0.0000	0.0000	8.0	11,479	11,520	8,322	3,198	3.18	10,238	8,322	1,916	1.90
			10.0	8,753	8,795	7,007	1,788	1.78	7,861	7,007	854	0.85
			12.0	6,810	6,851	6,017	835	0.83	6,159	6,017	142	0.14
			15.0	4,829	4,866	4,931	-65	-0.06	4,412	4,931	-519	-0.52
			20.0	2,923	2,953	3,751	-798	-0.79	2,712	3,751	-1,039	-1.03

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:17

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Contingent Resources**
Development Class: **Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	3	705	257	241	58.76
2014	4	807	295	275	61.63
2015	4	773	282	263	61.63
2016	87	16,346	5,966	5,561	62.87
2017	184	47,890	17,480	16,263	64.10
2018	255	76,758	28,017	25,996	66.36
2019	425	126,081	46,020	42,580	67.81
2020	503	167,849	61,265	56,432	70.06
2021	644	192,676	70,327	64,861	71.61
2022	807	209,339	76,409	70,049	73.17
2023	971	227,452	83,020	75,059	74.76
2024	1,044	230,390	84,092	71,559	76.28
2025	1,044	233,132	85,093	68,760	77.79
2026	1,008	229,761	83,863	68,458	79.34
2027	1,069	235,771	86,056	68,563	80.96
2028	1,062	232,845	84,988	68,402	82.56
2029	1,043	229,887	83,909	67,090	84.21
2030	995	228,028	83,230	67,341	85.89
2031	1,035	233,275	85,146	68,138	87.61
2032	1,048	233,105	85,083	68,232	89.37
2033	1,042	228,274	83,320	67,106	91.16
2034	1,057	223,327	81,514	66,532	92.97
2035	1,083	223,037	81,408	66,273	94.84
2036	1,092	221,193	80,736	65,103	96.74
2037	1,087	217,874	79,524	64,543	98.69
2038	1,060	211,220	77,095	63,326	100.66
2039	1,065	211,045	77,032	62,838	102.69
2040	1,096	212,819	77,679	62,936	104.76
2041	1,103	206,813	75,487	61,468	106.86
2042	1,085	198,004	72,272	57,852	109.01
2043	1,025	184,953	67,508	54,965	111.22
2044	1,009	173,189	63,214	50,749	113.49
2045	982	161,407	58,914	47,325	115.82
2046	942	147,941	53,998	43,396	118.19
2047	862	132,028	48,190	39,050	120.61
2048	787	119,845	43,743	33,009	123.08
2049	635	94,394	34,454	25,939	125.58
2050	500	65,600	23,944	18,538	128.09
2051	396	41,653	15,203	12,272	130.65
2052	314	24,115	8,802	6,363	133.23
2053	187	4,524	1,651	1,186	135.83
2054	65	-9,334	-3,407	-2,463	138.71
2055	-44	-17,268	-6,303	-4,608	141.48
2056	-86	-17,496	-6,386	-5,128	144.31
2057	-86	-15,852	-5,786	-4,669	147.20
2058	-83	-14,622	-5,337	-4,247	150.14
2059	-73	-12,759	-4,657	-3,682	153.14
2060	-64	-10,562	-3,855	-2,948	156.21
Tot.			**2,320,753**	**1,917,145**	**92.00**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	15	0	0	15	0	15	1	0	0	0	1	14	12	1	14
2014	18	0	0	18	0	18	1	0	0	0	1	17	37	1	39
2015	17	0	0	17	0	17	1	0	0	0	1	16	38	1	39
2016	375	0	0	375	0	375	25	0	0	0	25	350	229	40	269
2017	1,120	0	0	1,120	0	1,120	78	0	0	0	78	1,042	437	87	524
2018	1,859	0	0	1,859	0	1,859	134	0	0	0	134	1,725	664	136	800
2019	3,121	0	0	3,121	0	3,121	233	0	0	0	233	2,887	1,040	227	1,267
2020	4,292	0	0	4,292	0	4,292	339	0	0	0	339	3,953	1,198	281	1,479
2021	5,036	0	0	5,036	0	5,036	391	0	0	0	391	4,645	1,317	317	1,634
2022	5,591	0	0	5,591	0	5,591	465	0	0	0	465	5,125	1,395	339	1,735
2023	6,207	0	0	6,207	0	6,207	594	0	0	0	594	5,612	1,527	378	1,904
2024	6,415	0	0	6,415	0	6,415	956	0	0	0	956	5,458	1,518	381	1,900
2025	6,620	0	0	6,620	0	6,620	1,272	0	0	0	1,272	5,348	1,555	392	1,947
2026	6,654	0	0	6,654	0	6,654	1,223	0	0	0	1,223	5,431	1,552	392	1,944
2027	6,967	0	0	6,967	0	6,967	1,417	0	0	0	1,417	5,550	1,628	414	2,042
2028	7,017	0	0	7,017	0	7,017	1,370	0	0	0	1,370	5,647	1,669	423	2,092
2029	7,066	0	0	7,066	0	7,066	1,417	0	0	0	1,417	5,649	1,700	432	2,131
2030	7,149	0	0	7,149	0	7,149	1,365	0	0	0	1,365	5,783	1,720	435	2,156
2031	7,460	0	0	7,460	0	7,460	1,491	0	0	0	1,491	5,969	1,768	448	2,216
2032	7,604	0	0	7,604	0	7,604	1,507	0	0	0	1,507	6,097	1,806	459	2,265
2033	7,595	0	0	7,595	0	7,595	1,479	0	0	0	1,479	6,116	1,827	462	2,289
2034	7,579	0	0	7,579	0	7,579	1,394	0	0	0	1,394	6,185	1,836	462	2,298
2035	7,721	0	0	7,721	0	7,721	1,436	0	0	0	1,436	6,284	1,901	477	2,378
2036	7,810	0	0	7,810	0	7,810	1,513	0	0	0	1,513	6,297	1,934	485	2,419
2037	7,848	0	0	7,848	0	7,848	1,479	0	0	0	1,479	6,369	1,952	487	2,439
2038	7,761	0	0	7,761	0	7,761	1,387	0	0	0	1,387	6,374	1,968	487	2,455
2039	7,910	0	0	7,910	0	7,910	1,458	0	0	0	1,458	6,452	2,002	496	2,497
2040	8,137	0	0	8,137	0	8,137	1,545	0	0	0	1,545	6,593	2,035	505	2,540
2041	8,066	0	0	8,066	0	8,066	1,498	0	0	0	1,498	6,568	2,028	500	2,527
2042	7,878	0	0	7,878	0	7,878	1,572	0	0	0	1,572	6,306	1,998	493	2,491
2043	7,508	0	0	7,508	0	7,508	1,394	0	0	0	1,394	6,114	1,815	460	2,275
2044	7,174	0	0	7,174	0	7,174	1,414	0	0	0	1,414	5,760	1,807	445	2,252
2045	6,823	0	0	6,823	0	6,823	1,342	0	0	0	1,342	5,481	1,694	411	2,105
2046	6,382	0	0	6,382	0	6,382	1,253	0	0	0	1,253	5,129	1,567	374	1,940
2047	5,812	0	0	5,812	0	5,812	1,103	0	0	0	1,103	4,710	1,430	340	1,770
2048	5,384	0	0	5,384	0	5,384	1,322	0	0	0	1,322	4,063	1,284	307	1,592
2049	4,327	0	0	4,327	0	4,327	1,069	0	0	0	1,069	3,257	1,001	230	1,231
2050	3,067	0	0	3,067	0	3,067	693	0	0	0	693	2,374	789	155	944
2051	1,986	0	0	1,986	0	1,986	383	0	0	0	383	1,603	646	92	738
2052	1,173	0	0	1,173	0	1,173	325	0	0	0	325	848	331	46	377
2053	224	0	0	224	0	224	63	0	0	0	63	161	132	-1	131
2054	-473	0	0	-473	0	-473	-131	0	0	0	-131	-342	-38	-34	-72
2055	-892	0	0	-892	0	-892	-240	0	0	0	-240	-652	-153	-49	-202
2056	-922	0	0	-922	0	-922	-182	0	0	0	-182	-740	-208	-47	-256
2057	-852	0	0	-852	0	-852	-164	0	0	0	-164	-687	-223	-48	-271
2058	-801	0	0	-801	0	-801	-164	0	0	0	-164	-638	-228	-45	-272
2059	-713	0	0	-713	0	-713	-149	0	0	0	-149	-564	-183	-40	-223
2060	-602	0	0	-602	0	-602	-142	0	0	0	-142	-460	-169	-36	-205
Tot.	**213,514**	**0**	**0**	**213,514**	**0**	**213,514**	**38,234**	**0**	**0**	**0**	**38,234**	**175,280**	**53,584**	**12,998**	**66,582**
Disc	33,147	0	0	33,147	0	33,147	5,035	0	0	0	5,035	28,112	8,632	2,072	10,704

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	26	0	84	110	-110	-110	-104
2013	0	0	0	1	0	0	1	15	0	130	146	-145	-255	-229
2014	0	0	0	-22	0	0	-22	17	0	404	421	-443	-698	-575
2015	0	0	0	-23	0	0	-23	395	0	1,116	1,511	-1,534	-2,232	-1,665
2016	0	0	0	80	0	0	80	404	0	1,478	1,881	-1,801	-4,033	-2,829
2017	0	0	0	518	1	0	519	340	0	1,498	1,838	-1,319	-5,351	-3,603
2018	0	0	0	925	-4	0	922	792	0	1,785	2,577	-1,655	-7,007	-4,487
2019	0	0	0	1,621	0	0	1,621	370	0	1,363	1,733	-112	-7,119	-4,541
2020	0	0	0	2,474	7	0	2,481	475	0	1,058	1,533	949	-6,170	-4,123
2021	0	0	0	3,011	1	0	3,012	584	0	1,006	1,590	1,423	-4,748	-3,552
2022	0	0	0	3,391	1	0	3,392	622	0	861	1,483	1,909	-2,838	-2,856
2023	0	0	0	3,708	2	19	3,690	633	0	707	1,340	2,350	-488	-2,077
2024	0	0	0	3,559	-5	0	3,554	602	0	660	1,262	2,293	1,804	-1,386
2025	0	0	0	3,401	-1	46	3,354	517	0	612	1,128	2,225	4,030	-776
2026	0	0	0	3,487	-3	25	3,459	750	0	764	1,514	1,945	5,975	-291
2027	0	0	0	3,508	-6	32	3,470	655	0	715	1,371	2,099	8,074	184
2028	0	0	0	3,554	-3	46	3,505	719	0	763	1,483	2,023	10,097	600
2029	0	0	0	3,517	-4	55	3,458	701	0	754	1,454	2,004	12,101	975
2030	0	0	0	3,628	-3	32	3,593	740	0	783	1,523	2,070	14,170	1,327
2031	0	0	0	3,753	-2	43	3,708	720	0	780	1,500	2,207	16,378	1,669
2032	0	0	0	3,831	-5	46	3,780	752	0	807	1,559	2,221	18,598	1,981
2033	0	0	0	3,826	-4	74	3,749	776	0	828	1,604	2,145	20,743	2,255
2034	0	0	0	3,886	-3	70	3,814	887	0	909	1,795	2,019	22,762	2,490
2035	0	0	0	3,907	-3	45	3,859	851	0	901	1,752	2,107	24,868	2,712
2036	0	0	0	3,878	-2	50	3,827	760	0	849	1,609	2,218	27,086	2,925
2037	0	0	0	3,930	-2	62	3,865	819	0	893	1,711	2,154	29,240	3,113
2038	0	0	0	3,919	0	70	3,848	894	0	945	1,839	2,010	31,250	3,273
2039	0	0	0	3,955	-1	60	3,893	847	0	920	1,768	2,126	33,375	3,426
2040	0	0	0	4,053	-3	58	3,992	821	0	915	1,736	2,256	35,631	3,574
2041	0	0	0	4,041	-4	59	3,979	852	0	941	1,794	2,185	37,816	3,704
2042	0	0	0	3,816	-4	68	3,744	676	0	822	1,498	2,245	40,061	3,826
2043	0	0	0	3,839	10	66	3,782	833	0	908	1,741	2,042	42,103	3,927
2044	0	0	0	3,508	23	85	3,446	619	0	768	1,386	2,060	44,163	4,019
2045	0	0	0	3,376	23	79	3,320	609	0	754	1,363	1,957	46,119	4,099
2046	0	0	0	3,189	24	67	3,146	584	0	724	1,308	1,838	47,957	4,167
2047	0	0	0	2,940	9	79	2,870	585	0	702	1,286	1,584	49,541	4,220
2048	0	0	0	2,471	10	74	2,407	124	0	365	488	1,918	51,460	4,279
2049	0	0	0	2,026	6	73	1,959	113	0	309	422	1,537	52,997	4,322
2050	0	0	0	1,431	8	57	1,382	120	0	272	392	990	53,987	4,347
2051	0	0	0	865	8	43	830	77	0	213	290	540	54,527	4,359
2052	0	0	0	471	-8	48	415	-72	0	56	-17	431	54,958	4,368
2053	0	0	0	30	-9	53	-32	-73	0	12	-61	29	54,987	4,369
2054	0	0	0	-270	-9	47	-326	-55	0	-19	-74	-252	54,735	4,364
2055	0	0	0	-450	-9	265	-724	-37	0	-45	-81	-643	54,092	4,354
2056	0	0	0	-484	-10	-9	-486	-104	0	-108	-212	-274	53,818	4,350
2057	0	0	0	-416	-12	-9	-420	-77	0	-92	-169	-250	53,568	4,347
2058	0	0	0	-365	-14	-10	-369	-48	0	-72	-120	-249	53,319	4,344
2059	0	0	0	-340	0	-7	-333	-49	0	-67	-116	-217	53,102	4,342
2060	0	0	0	-255	0	-56	-199	-6	0	-36	-42	-157	52,945	4,340
Tot.	**0**	**0**	**0**	**108,698**	**2**	**1,906**	**106,794**	**22,156**	**0**	**31,692**	**53,849**	**52,945**	**52,945**	**4,340**
Disc	0	0	0	17,408	-2	153	17,253	4,404	0	8,509	12,913	4,340	4,340	4,340

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	84	0	26	0	0	11	0	8	0	0	18
2013	1	204	0	34	0	0	35	0	10	0	0	45
2014	-22	574	0	40	0	0	93	0	12	0	0	105
2015	-23	1,597	0	423	0	0	260	0	127	0	0	387
2016	80	2,815	0	700	0	0	519	0	210	0	0	729
2017	519	3,794	0	830	0	0	761	0	249	0	0	1,010
2018	922	4,818	0	1,373	0	0	981	0	412	0	0	1,393
2019	1,621	5,199	0	1,331	0	0	1,129	0	399	0	0	1,529
2020	2,481	5,127	0	1,407	0	0	1,150	0	422	0	0	1,572
2021	3,012	4,984	0	1,569	0	0	1,120	0	471	0	0	1,591
2022	3,392	4,725	0	1,720	0	0	1,074	0	516	0	0	1,590
2023	3,690	4,358	0	1,838	0	0	1,001	0	551	0	0	1,552
2024	3,554	4,017	0	1,888	0	0	922	0	566	0	0	1,488
2025	3,354	3,707	0	1,838	0	0	850	0	551	0	0	1,402
2026	3,459	3,620	0	2,037	0	0	810	0	611	0	0	1,421
2027	3,470	3,526	0	2,081	0	0	792	0	624	0	0	1,416
2028	3,505	3,497	0	2,176	0	0	779	0	653	0	0	1,432
2029	3,458	3,472	0	2,224	0	0	774	0	667	0	0	1,441
2030	3,593	3,481	0	2,297	0	0	772	0	689	0	0	1,462
2031	3,708	3,489	0	2,328	0	0	775	0	699	0	0	1,473
2032	3,780	3,521	0	2,382	0	0	779	0	715	0	0	1,494
2033	3,749	3,570	0	2,443	0	0	789	0	733	0	0	1,522
2034	3,814	3,690	0	2,597	0	0	809	0	779	0	0	1,588
2035	3,859	3,782	0	2,669	0	0	833	0	801	0	0	1,634
2036	3,827	3,798	0	2,629	0	0	843	0	789	0	0	1,632
2037	3,865	3,847	0	2,659	0	0	850	0	798	0	0	1,648
2038	3,848	3,942	0	2,755	0	0	867	0	827	0	0	1,694
2039	3,893	3,994	0	2,776	0	0	884	0	833	0	0	1,716
2040	3,992	4,026	0	2,764	0	0	892	0	829	0	0	1,721
2041	3,979	4,075	0	2,787	0	0	901	0	836	0	0	1,737
2042	3,744	3,996	0	2,627	0	0	896	0	788	0	0	1,684
2043	3,782	4,008	0	2,672	0	0	888	0	802	0	0	1,690
2044	3,446	3,887	0	2,489	0	0	876	0	747	0	0	1,623
2045	3,320	3,765	0	2,352	0	0	847	0	706	0	0	1,553
2046	3,146	3,642	0	2,231	0	0	820	0	669	0	0	1,489
2047	2,870	3,523	0	2,146	0	0	793	0	644	0	0	1,437
2048	2,407	3,095	0	1,626	0	0	728	0	488	0	0	1,216
2049	1,959	2,676	0	1,251	0	0	630	0	375	0	0	1,005
2050	1,382	2,317	0	995	0	0	545	0	299	0	0	844
2051	830	1,985	0	774	0	0	470	0	232	0	0	702
2052	415	1,571	0	470	0	0	386	0	141	0	0	527
2053	-32	1,198	0	256	0	0	298	0	77	0	0	375
2054	-326	881	0	124	0	0	223	0	37	0	0	260
2055	-724	614	0	50	0	0	159	0	15	0	0	174
2056	-486	-425	0	-273	0	0	-93	0	-82	0	0	-175
2057	-420	-425	0	-268	0	0	-95	0	-80	0	0	-175
2058	-369	-402	0	-235	0	0	-92	0	-71	0	0	-162
2059	-333	-378	0	-214	0	0	-86	0	-64	0	0	-150
2060	-199	-328	0	-156	0	0	-78	0	-47	0	0	-124
Tot.	**106,794**	**-328**	**0**	**-156**	**0**	**0**	**31,172**	**0**	**22,061**	**0**	**0**	**53,233**
Disc	17,253						6,375	0	3,632	0	0	10,007

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0
2012	-18	0	0	0	0	-110	-110	-104	-110	-110	-104
2013	-44	0	0	0	0	-145	-255	-229	-145	-255	-229
2014	-127	0	0	0	0	-443	-698	-575	-443	-698	-575
2015	-409	0	0	0	0	-1,534	-2,232	-1,665	-1,534	-2,232	-1,665
2016	-649	0	0	0	0	-1,801	-4,033	-2,829	-1,801	-4,033	-2,829
2017	-491	0	0	0	0	-1,319	-5,351	-3,603	-1,319	-5,351	-3,603
2018	-471	0	0	0	0	-1,655	-7,007	-4,487	-1,655	-7,007	-4,487
2019	92	-25	-17	0	-42	-112	-7,119	-4,541	-70	-7,077	-4,521
2020	910	-43	-29	0	-72	949	-6,170	-4,123	1,020	-6,057	-4,071
2021	1,422	100	67	0	167	1,423	-4,748	-3,552	1,256	-4,801	-3,567
2022	1,803	270	180	0	451	1,909	-2,838	-2,856	1,459	-3,343	-3,035
2023	2,138	321	214	0	535	2,350	-488	-2,077	1,816	-1,527	-2,433
2024	2,066	310	207	0	517	2,293	1,804	-1,386	1,776	249	-1,898
2025	1,952	293	195	0	488	2,225	4,030	-776	1,737	1,987	-1,422
2026	2,038	306	204	0	510	1,945	5,975	-291	1,435	3,422	-1,064
2027	2,053	308	205	0	513	2,099	8,074	184	1,586	5,008	-705
2028	2,074	311	207	0	518	2,023	10,097	600	1,504	6,512	-396
2029	2,017	303	202	0	504	2,004	12,101	975	1,499	8,012	-115
2030	2,132	320	213	0	533	2,070	14,170	1,327	1,537	9,548	146
2031	2,235	335	223	0	559	2,207	16,378	1,669	1,649	11,197	401
2032	2,286	343	229	0	572	2,221	18,598	1,981	1,649	12,846	633
2033	2,227	334	223	0	557	2,145	20,743	2,255	1,588	14,434	836
2034	2,226	334	223	0	557	2,019	22,762	2,490	1,462	15,896	1,006
2035	2,226	334	223	0	556	2,107	24,868	2,712	1,550	17,447	1,170
2036	2,195	329	219	0	549	2,218	27,086	2,925	1,669	19,116	1,330
2037	2,217	333	222	0	554	2,154	29,240	3,113	1,600	20,716	1,470
2038	2,155	323	215	0	539	2,010	31,250	3,273	1,471	22,187	1,587
2039	2,177	327	218	0	544	2,126	33,375	3,426	1,581	23,768	1,701
2040	2,270	341	227	0	568	2,256	35,631	3,574	1,688	25,456	1,812
2041	2,241	336	224	0	560	2,185	37,816	3,704	1,624	27,081	1,908
2042	2,059	309	206	0	515	2,245	40,061	3,826	1,731	28,811	2,002
2043	2,092	314	209	0	523	2,042	42,103	3,927	1,518	30,330	2,077
2044	1,824	274	182	0	456	2,060	44,163	4,019	1,604	31,934	2,149
2045	1,767	265	177	0	442	1,957	46,119	4,099	1,515	33,448	2,211
2046	1,657	248	166	0	414	1,838	47,957	4,167	1,424	34,872	2,263
2047	1,433	215	143	0	358	1,584	49,541	4,220	1,226	36,098	2,305
2048	1,191	179	119	0	298	1,918	51,460	4,279	1,621	37,719	2,354
2049	953	143	95	0	238	1,537	52,997	4,322	1,299	39,017	2,390
2050	538	81	54	0	135	990	53,987	4,347	856	39,873	2,412
2051	128	19	13	0	32	540	54,527	4,359	508	40,381	2,424
2052	-112	-17	-11	0	-28	431	54,958	4,368	459	40,840	2,433
2053	-406	-48	-32	0	-79	29	54,987	4,369	108	40,948	2,435
2054	-585	-48	-32	0	-79	-252	54,735	4,364	-172	40,776	2,432
2055	-898	-48	-32	0	-79	-643	54,092	4,354	-564	40,212	2,423
2056	-311	-47	-31	0	-78	-274	53,818	4,350	-196	40,016	2,421
2057	-244	-37	-24	0	-61	-250	53,568	4,347	-189	39,827	2,418
2058	-207	-31	-21	0	-52	-249	53,319	4,344	-197	39,630	2,416
2059	-183	-27	-18	0	-46	-217	53,102	4,342	-171	39,458	2,414
2060	-75	-11	-8	0	-19	-157	52,945	4,340	-138	39,320	2,413
Tot.	**53,561**	**8,175**	**5,450**	**0**	**13,625**	**52,945**	**52,945**	**4,340**	**39,320**	**39,320**	**2,413**
Disc	7,247	1,157	771	0	1,928	4,340	4,340	4,340	2,413	2,413	2,413

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	2,320,753	0	2,320,753	1,917,145	1.000	2,320,753	100	49.1	999.9	22.1
Total: Oil Eq.	Mboe	2,320,753	0	2,320,753	1,917,145	1.000	2,320,753	100	49.1	999.9	22.1

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175,280	100	28,112	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175,280	100	28,112	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	17.9070	0.0	108,698	106,794	53,849	52,945	22.81	93,169	53,849	39,320	16.94
Non-crown Royalty	0.0000	0.0000	5.0	39,520	39,038	23,573	15,465	6.66	34,291	23,573	10,718	4.62
Mineral Tax	0.0000	0.0000	8.0	23,681	23,444	16,068	7,376	3.18	20,725	16,068	4,657	2.01
			10.0	17,408	17,253	12,913	4,340	1.87	15,326	12,913	2,413	1.04
			12.0	13,098	12,995	10,631	2,364	1.02	11,601	10,631	970	0.42
			15.0	8,874	8,816	8,235	580	0.25	7,931	8,235	-305	-0.13
			20.0	5,022	4,997	5,778	-782	-0.34	4,551	5,778	-1,227	-0.53

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:19

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Contingent Resources**
Development Class: **High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	2	960	350	329	58.76
2014	5	2,200	803	748	61.63
2015	5	2,600	949	885	61.63
2016	214	56,777	20,724	19,317	62.80
2017	369	139,873	51,054	47,500	63.82
2018	493	200,874	73,319	68,030	66.02
2019	763	289,081	105,515	97,703	67.51
2020	1,041	382,957	139,779	129,296	69.74
2021	1,373	473,212	172,722	159,161	71.25
2022	1,665	541,589	197,680	179,831	72.78
2023	1,999	600,277	219,101	193,528	74.34
2024	2,162	637,600	232,724	197,091	75.85
2025	2,398	679,436	247,994	205,426	77.37
2026	2,572	693,136	252,995	204,938	78.91
2027	2,626	692,277	252,681	207,828	80.48
2028	2,620	691,151	252,270	202,894	82.10
2029	2,875	706,359	257,821	205,344	83.75
2030	2,711	689,066	251,509	200,850	85.42
2031	2,684	687,803	251,048	200,211	87.13
2032	2,679	687,074	250,782	199,816	88.88
2033	2,698	686,122	250,435	199,595	90.66
2034	2,739	683,998	249,659	200,508	92.47
2035	2,797	677,230	247,189	197,493	94.32
2036	2,744	661,304	241,376	195,796	96.19
2037	2,730	657,142	239,857	192,669	98.12
2038	2,675	648,983	236,879	189,146	100.08
2039	2,647	628,752	229,494	187,095	102.10
2040	2,710	616,025	224,849	184,479	104.14
2041	2,737	607,216	221,634	180,017	106.22
2042	2,693	583,296	212,903	175,245	108.35
2043	2,708	567,643	207,190	169,251	110.54
2044	2,608	541,983	197,824	162,320	112.76
2045	2,544	522,220	190,610	156,874	115.02
2046	2,475	496,929	181,379	150,039	117.32
2047	2,402	481,014	175,570	143,922	119.67
2048	2,320	463,681	169,244	139,235	122.05
2049	2,211	448,977	163,877	135,076	124.47
2050	2,078	434,889	158,735	130,287	126.93
2051	1,959	421,203	153,739	124,710	129.44
2052	1,856	400,834	146,305	112,388	132.00
2053	1,551	332,012	121,184	92,378	134.62
2054	1,280	240,518	87,789	67,192	137.35
2055	1,012	160,448	58,564	44,841	140.15
2056	711	97,534	35,600	26,945	143.00
2057	425	50,595	18,467	14,075	145.92
2058	163	17,714	6,465	5,055	149.06
2059	23	2,262	826	616	153.14
2060	-8	-574	-210	-180	156.21
Tot.			**7,659,253**	**6,297,793**	**96.98**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	21	0	0	21	0	21	1	0	0	0	1	19	17	2	19
2014	49	0	0	49	0	49	3	0	0	0	3	46	54	4	58
2015	58	0	0	58	0	58	4	0	0	0	4	55	53	4	57
2016	1,301	0	0	1,301	0	1,301	88	0	0	0	88	1,213	679	126	805
2017	3,258	0	0	3,258	0	3,258	227	0	0	0	227	3,031	1,159	250	1,408
2018	4,840	0	0	4,840	0	4,840	349	0	0	0	349	4,491	1,555	355	1,910
2019	7,124	0	0	7,124	0	7,124	527	0	0	0	527	6,596	2,244	530	2,774
2020	9,748	0	0	9,748	0	9,748	731	0	0	0	731	9,017	2,820	702	3,522
2021	12,306	0	0	12,306	0	12,306	966	0	0	0	966	11,340	3,404	855	4,259
2022	14,387	0	0	14,387	0	14,387	1,298	0	0	0	1,298	13,089	3,759	957	4,716
2023	16,289	0	0	16,289	0	16,289	1,899	0	0	0	1,899	14,389	4,385	1,114	5,499
2024	17,651	0	0	17,651	0	17,651	2,705	0	0	0	2,705	14,946	4,470	1,190	5,660
2025	19,187	0	0	19,187	0	19,187	3,300	0	0	0	3,300	15,887	4,813	1,282	6,095
2026	19,964	0	0	19,964	0	19,964	3,796	0	0	0	3,796	16,168	4,874	1,298	6,173
2027	20,336	0	0	20,336	0	20,336	3,613	0	0	0	3,613	16,722	4,959	1,326	6,285
2028	20,712	0	0	20,712	0	20,712	4,057	0	0	0	4,057	16,656	5,085	1,369	6,454
2029	21,593	0	0	21,593	0	21,593	4,399	0	0	0	4,399	17,195	5,248	1,403	6,651
2030	21,484	0	0	21,484	0	21,484	4,330	0	0	0	4,330	17,154	5,316	1,422	6,738
2031	21,874	0	0	21,874	0	21,874	4,433	0	0	0	4,433	17,441	5,419	1,451	6,871
2032	22,289	0	0	22,289	0	22,289	4,534	0	0	0	4,534	17,755	5,523	1,478	7,002
2033	22,704	0	0	22,704	0	22,704	4,612	0	0	0	4,612	18,091	5,613	1,500	7,113
2034	23,087	0	0	23,087	0	23,087	4,549	0	0	0	4,549	18,538	5,712	1,526	7,238
2035	23,316	0	0	23,316	0	23,316	4,692	0	0	0	4,692	18,623	5,803	1,551	7,355
2036	23,219	0	0	23,219	0	23,219	4,388	0	0	0	4,388	18,831	5,840	1,553	7,393
2037	23,535	0	0	23,535	0	23,535	4,635	0	0	0	4,635	18,900	6,012	1,602	7,614
2038	23,707	0	0	23,707	0	23,707	4,780	0	0	0	4,780	18,928	6,072	1,616	7,688
2039	23,431	0	0	23,431	0	23,431	4,334	0	0	0	4,334	19,097	6,088	1,607	7,695
2040	23,417	0	0	23,417	0	23,417	4,207	0	0	0	4,207	19,209	6,269	1,655	7,924
2041	23,543	0	0	23,543	0	23,543	4,425	0	0	0	4,425	19,118	6,383	1,679	8,062
2042	23,067	0	0	23,067	0	23,067	4,081	0	0	0	4,081	18,986	6,316	1,647	7,963
2043	22,902	0	0	22,902	0	22,902	4,198	0	0	0	4,198	18,704	6,281	1,638	7,919
2044	22,307	0	0	22,307	0	22,307	4,007	0	0	0	4,007	18,300	6,116	1,587	7,703
2045	21,923	0	0	21,923	0	21,923	3,884	0	0	0	3,884	18,039	6,036	1,566	7,602
2046	21,279	0	0	21,279	0	21,279	3,680	0	0	0	3,680	17,599	5,875	1,524	7,400
2047	21,010	0	0	21,010	0	21,010	3,792	0	0	0	3,792	17,218	5,701	1,497	7,198
2048	20,656	0	0	20,656	0	20,656	3,667	0	0	0	3,667	16,989	5,632	1,484	7,115
2049	20,398	0	0	20,398	0	20,398	3,589	0	0	0	3,589	16,809	5,566	1,478	7,044
2050	20,149	0	0	20,149	0	20,149	3,616	0	0	0	3,616	16,532	5,537	1,472	7,009
2051	19,900	0	0	19,900	0	19,900	3,763	0	0	0	3,763	16,137	5,454	1,454	6,908
2052	19,312	0	0	19,312	0	19,312	4,479	0	0	0	4,479	14,833	5,308	1,388	6,696
2053	16,314	0	0	16,314	0	16,314	3,879	0	0	0	3,879	12,435	4,377	1,087	5,464
2054	12,058	0	0	12,058	0	12,058	2,831	0	0	0	2,831	9,227	3,322	761	4,082
2055	8,208	0	0	8,208	0	8,208	1,924	0	0	0	1,924	6,284	2,285	477	2,762
2056	5,091	0	0	5,091	0	5,091	1,239	0	0	0	1,239	3,852	1,373	255	1,627
2057	2,695	0	0	2,695	0	2,695	641	0	0	0	641	2,053	749	111	860
2058	964	0	0	964	0	964	211	0	0	0	211	753	307	35	343
2059	126	0	0	126	0	126	32	0	0	0	32	94	35	3	38
2060	-33	0	0	-33	0	-33	-5	0	0	0	-5	-28	-16	-1	-17
Tot.	**742,756**	**0**	**0**	**742,756**	**0**	**742,756**	**135,393**	**0**	**0**	**0**	**135,393**	**607,363**	**195,882**	**50,869**	**246,752**
Disc	95,361	0	0	95,361	0	95,361	15,021	0	0	0	15,021	80,340	25,406	6,526	31,932

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	34	0	173	207	-207	-207	-196
2013	0	0	0	0	0	0	0	38	0	445	483	-482	-689	-611
2014	0	0	0	-12	-4	0	-16	31	0	1,377	1,408	-1,424	-2,113	-1,724
2015	0	0	0	-2	0	0	-2	1,004	0	2,918	3,922	-3,924	-6,038	-4,513
2016	0	0	0	408	0	0	408	729	0	2,879	3,608	-3,200	-9,238	-6,580
2017	0	0	0	1,623	3	0	1,626	624	0	2,874	3,499	-1,873	-11,111	-7,680
2018	0	0	0	2,581	-1	0	2,580	1,307	0	3,545	4,852	-2,272	-13,383	-8,894
2019	0	0	0	3,822	-8	0	3,814	1,382	0	3,693	5,075	-1,261	-14,644	-9,506
2020	0	0	0	5,495	-2	1	5,493	1,510	0	3,531	5,041	451	-14,193	-9,306
2021	0	0	0	7,081	-9	8	7,064	1,342	0	3,173	4,515	2,550	-11,643	-8,284
2022	0	0	0	8,373	0	0	8,373	1,864	0	2,901	4,765	3,608	-8,035	-6,968
2023	0	0	0	8,890	9	36	8,863	1,616	0	2,264	3,880	4,983	-3,053	-5,316
2024	0	0	0	9,286	-3	33	9,250	1,854	0	2,245	4,099	5,151	2,098	-3,764
2025	0	0	0	9,792	-6	17	9,769	1,604	0	1,836	3,439	6,329	8,427	-2,029
2026	0	0	0	9,995	-8	67	9,920	1,505	0	1,706	3,212	6,709	15,136	-358
2027	0	0	0	10,437	-9	100	10,328	2,237	0	2,220	4,456	5,872	21,008	971
2028	0	0	0	10,201	-13	27	10,161	1,825	0	1,954	3,779	6,382	27,390	2,285
2029	0	0	0	10,544	-14	145	10,385	1,867	0	2,045	3,912	6,474	33,864	3,497
2030	0	0	0	10,416	-12	88	10,317	1,879	0	2,042	3,922	6,395	40,259	4,585
2031	0	0	0	10,570	-10	124	10,437	1,873	0	2,047	3,921	6,516	46,775	5,593
2032	0	0	0	10,754	-11	85	10,658	1,882	0	2,072	3,953	6,704	53,479	6,535
2033	0	0	0	10,978	-13	152	10,813	1,934	0	2,125	4,059	6,754	60,234	7,399
2034	0	0	0	11,300	-14	151	11,135	2,174	0	2,303	4,477	6,658	66,892	8,172
2035	0	0	0	11,269	-15	134	11,121	2,012	0	2,218	4,231	6,890	73,782	8,900
2036	0	0	0	11,439	-9	147	11,283	2,387	0	2,474	4,860	6,422	80,204	9,517
2037	0	0	0	11,287	-10	136	11,140	2,062	0	2,273	4,335	6,805	87,009	10,111
2038	0	0	0	11,239	-10	151	11,078	1,899	0	2,171	4,070	7,008	94,017	10,667
2039	0	0	0	11,402	-9	130	11,264	2,392	0	2,509	4,901	6,362	100,379	11,126
2040	0	0	0	11,285	-8	155	11,122	2,419	0	2,556	4,974	6,148	106,527	11,529
2041	0	0	0	11,056	-6	136	10,914	2,119	0	2,377	4,497	6,417	112,944	11,912
2042	0	0	0	11,023	-2	145	10,876	2,349	0	2,534	4,883	5,993	118,938	12,237
2043	0	0	0	10,785	-4	189	10,592	2,078	0	2,364	4,443	6,149	125,087	12,540
2044	0	0	0	10,597	-6	146	10,445	2,175	0	2,410	4,585	5,860	130,947	12,803
2045	0	0	0	10,438	-5	186	10,247	2,197	0	2,415	4,611	5,635	136,583	13,032
2046	0	0	0	10,199	-9	177	10,014	2,247	0	2,432	4,679	5,335	141,917	13,230
2047	0	0	0	10,020	-9	178	9,832	2,049	0	2,282	4,331	5,501	147,418	13,415
2048	0	0	0	9,874	-10	193	9,671	2,082	0	2,291	4,373	5,297	152,716	13,577
2049	0	0	0	9,765	-11	181	9,573	2,101	0	2,280	4,381	5,192	157,908	13,721
2050	0	0	0	9,524	-9	159	9,356	1,947	0	2,152	4,099	5,257	163,165	13,854
2051	0	0	0	9,230	-5	154	9,071	1,652	0	1,934	3,586	5,485	168,650	13,980
2052	0	0	0	8,137	17	162	7,991	361	0	1,057	1,418	6,573	175,223	14,118
2053	0	0	0	6,971	15	167	6,819	258	0	894	1,153	5,667	180,890	14,225
2054	0	0	0	5,145	1	134	5,011	172	0	727	899	4,112	185,002	14,296
2055	0	0	0	3,522	-6	151	3,365	94	0	539	634	2,731	187,734	14,339
2056	0	0	0	2,225	0	143	2,082	22	0	346	367	1,715	189,449	14,364
2057	0	0	0	1,193	0	261	932	14	0	217	231	701	190,150	14,373
2058	0	0	0	411	0	245	166	7	0	91	99	67	190,217	14,374
2059	0	0	0	56	0	170	-114	-2	0	10	8	-122	190,095	14,372
2060	0	0	0	-11	0	-5	-6	0	0	-4	-4	-2	190,093	14,372
Tot.	**0**	**0**	**0**	**360,612**	**-236**	**5,157**	**355,219**	**69,207**	**0**	**95,919**	**165,126**	**190,093**	**190,093**	**14,372**
Disc	0	0	0	48,408	-35	349	48,024	11,434	0	22,218	33,652	14,372	14,372	14,372

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	173	0	34	0	0	22	0	10	0	0	32
2013	0	596	0	62	0	0	93	0	18	0	0	112
2014	-16	1,880	0	74	0	0	298	0	22	0	0	320
2015	-2	4,500	0	1,056	0	0	760	0	317	0	0	1,077
2016	408	6,619	0	1,468	0	0	1,295	0	440	0	0	1,735
2017	1,626	8,199	0	1,652	0	0	1,690	0	496	0	0	2,186
2018	2,580	10,053	0	2,464	0	0	2,070	0	739	0	0	2,809
2019	3,814	11,676	0	3,107	0	0	2,457	0	932	0	0	3,389
2020	5,493	12,749	0	3,685	0	0	2,746	0	1,105	0	0	3,851
2021	7,064	13,176	0	3,921	0	0	2,897	0	1,176	0	0	4,074
2022	8,373	13,180	0	4,609	0	0	2,932	0	1,383	0	0	4,315
2023	8,863	12,511	0	4,843	0	0	2,845	0	1,453	0	0	4,298
2024	9,250	11,911	0	5,245	0	0	2,697	0	1,573	0	0	4,271
2025	9,769	11,049	0	5,275	0	0	2,533	0	1,583	0	0	4,115
2026	9,920	10,223	0	5,198	0	0	2,342	0	1,559	0	0	3,902
2027	10,328	10,100	0	5,875	0	0	2,248	0	1,763	0	0	4,010
2028	10,161	9,807	0	5,937	0	0	2,207	0	1,781	0	0	3,989
2029	10,385	9,644	0	6,023	0	0	2,155	0	1,807	0	0	3,962
2030	10,317	9,531	0	6,095	0	0	2,127	0	1,829	0	0	3,956
2031	10,437	9,451	0	6,140	0	0	2,107	0	1,842	0	0	3,949
2032	10,658	9,416	0	6,180	0	0	2,095	0	1,854	0	0	3,949
2033	10,813	9,446	0	6,260	0	0	2,096	0	1,878	0	0	3,974
2034	11,135	9,653	0	6,556	0	0	2,125	0	1,967	0	0	4,092
2035	11,121	9,746	0	6,601	0	0	2,159	0	1,980	0	0	4,140
2036	11,283	10,061	0	7,007	0	0	2,206	0	2,102	0	0	4,308
2037	11,140	10,128	0	6,967	0	0	2,248	0	2,090	0	0	4,338
2038	11,078	10,051	0	6,776	0	0	2,241	0	2,033	0	0	4,274
2039	11,264	10,319	0	7,135	0	0	2,266	0	2,141	0	0	4,407
2040	11,122	10,609	0	7,413	0	0	2,333	0	2,224	0	0	4,557
2041	10,914	10,653	0	7,309	0	0	2,366	0	2,193	0	0	4,559
2042	10,876	10,821	0	7,465	0	0	2,389	0	2,240	0	0	4,628
2043	10,592	10,797	0	7,304	0	0	2,404	0	2,191	0	0	4,595
2044	10,445	10,804	0	7,287	0	0	2,400	0	2,186	0	0	4,586
2045	10,247	10,819	0	7,298	0	0	2,403	0	2,189	0	0	4,592
2046	10,014	10,848	0	7,355	0	0	2,408	0	2,207	0	0	4,614
2047	9,832	10,722	0	7,198	0	0	2,395	0	2,159	0	0	4,555
2048	9,671	10,618	0	7,120	0	0	2,368	0	2,136	0	0	4,504
2049	9,573	10,530	0	7,085	0	0	2,348	0	2,125	0	0	4,473
2050	9,356	10,335	0	6,906	0	0	2,315	0	2,072	0	0	4,387
2051	9,071	9,954	0	6,486	0	0	2,247	0	1,946	0	0	4,193
2052	7,991	8,764	0	4,901	0	0	2,059	0	1,470	0	0	3,529
2053	6,819	7,600	0	3,689	0	0	1,788	0	1,107	0	0	2,895
2054	5,011	6,538	0	2,754	0	0	1,544	0	826	0	0	2,370
2055	3,365	5,534	0	2,022	0	0	1,316	0	607	0	0	1,923
2056	2,082	4,564	0	1,437	0	0	1,098	0	431	0	0	1,529
2057	932	3,683	0	1,020	0	0	894	0	306	0	0	1,200
2058	166	2,881	0	721	0	0	709	0	216	0	0	925
2059	-114	2,182	0	503	0	0	544	0	151	0	0	695
2060	-6	-155	0	-23	0	0	-38	0	-7	0	0	-45
Tot.	**355,219**	**-155**	**0**	**-23**	**0**	**0**	**94,247**	**0**	**68,848**	**0**	**0**	**163,096**
Disc	48,024						16,651	0	9,430	0	0	26,081

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0
2012	-32	0	0	0	0	-207	-207	-196	-207	-207	-196
2013	-112	0	0	0	0	-482	-689	-611	-482	-689	-611
2014	-336	0	0	0	0	-1,424	-2,113	-1,724	-1,424	-2,113	-1,724
2015	-1,079	0	0	0	0	-3,924	-6,038	-4,513	-3,924	-6,038	-4,513
2016	-1,327	0	0	0	0	-3,200	-9,238	-6,580	-3,200	-9,238	-6,580
2017	-560	0	0	0	0	-1,873	-11,111	-7,680	-1,873	-11,111	-7,680
2018	-229	0	0	0	0	-2,272	-13,383	-8,894	-2,272	-13,383	-8,894
2019	425	-31	-20	0	-51	-1,261	-14,644	-9,506	-1,210	-14,593	-9,481
2020	1,641	-59	-40	0	-99	451	-14,193	-9,306	550	-14,042	-9,238
2021	2,990	297	198	0	495	2,550	-11,643	-8,284	2,054	-11,988	-8,414
2022	4,058	609	406	0	1,014	3,608	-8,035	-6,968	2,593	-9,395	-7,468
2023	4,565	685	457	0	1,141	4,983	-3,053	-5,316	3,842	-5,554	-6,195
2024	4,979	747	498	0	1,245	5,151	2,098	-3,764	3,906	-1,648	-5,017
2025	5,653	848	565	0	1,413	6,329	8,427	-2,029	4,916	3,268	-3,670
2026	6,019	903	602	0	1,505	6,709	15,136	-358	5,204	8,472	-2,374
2027	6,318	948	632	0	1,579	5,872	21,008	971	4,292	12,765	-1,402
2028	6,173	926	617	0	1,543	6,382	27,390	2,285	4,839	17,604	-406
2029	6,423	963	642	0	1,606	6,474	33,864	3,497	4,868	22,472	505
2030	6,361	954	636	0	1,590	6,395	40,259	4,585	4,805	27,277	1,323
2031	6,488	973	649	0	1,622	6,516	46,775	5,593	4,894	32,171	2,079
2032	6,709	1,006	671	0	1,677	6,704	53,479	6,535	5,027	37,198	2,786
2033	6,840	1,026	684	0	1,710	6,754	60,234	7,399	5,044	42,242	3,431
2034	7,043	1,056	704	0	1,761	6,658	66,892	8,172	4,897	47,140	4,000
2035	6,981	1,047	698	0	1,745	6,890	73,782	8,900	5,145	52,284	4,544
2036	6,974	1,046	697	0	1,744	6,422	80,204	9,517	4,679	56,963	4,993
2037	6,802	1,020	680	0	1,701	6,805	87,009	10,111	5,105	62,068	5,439
2038	6,804	1,021	680	0	1,701	7,008	94,017	10,667	5,307	67,375	5,860
2039	6,857	1,029	686	0	1,714	6,362	100,379	11,126	4,648	72,023	6,195
2040	6,565	985	657	0	1,641	6,148	106,527	11,529	4,506	76,529	6,491
2041	6,356	953	636	0	1,589	6,417	112,944	11,912	4,829	81,357	6,779
2042	6,248	937	625	0	1,562	5,993	118,938	12,237	4,431	85,789	7,019
2043	5,997	900	600	0	1,499	6,149	125,087	12,540	4,650	90,439	7,248
2044	5,859	879	586	0	1,465	5,860	130,947	12,803	4,395	94,834	7,445
2045	5,655	848	565	0	1,414	5,635	136,583	13,032	4,222	99,056	7,617
2046	5,399	810	540	0	1,350	5,335	141,917	13,230	3,985	103,041	7,765
2047	5,278	792	528	0	1,319	5,501	147,418	13,415	4,182	107,223	7,905
2048	5,166	775	517	0	1,292	5,297	152,716	13,577	4,006	111,228	8,028
2049	5,100	765	510	0	1,275	5,192	157,908	13,721	3,917	115,145	8,137
2050	4,969	745	497	0	1,242	5,257	163,165	13,854	4,014	119,160	8,238
2051	4,878	732	488	0	1,220	5,485	168,650	13,980	4,266	123,426	8,336
2052	4,462	669	446	0	1,116	6,573	175,223	14,118	5,458	128,884	8,450
2053	3,924	589	392	0	981	5,667	180,890	14,225	4,686	133,569	8,539
2054	2,641	396	264	0	660	4,112	185,002	14,296	3,452	137,021	8,599
2055	1,442	216	144	0	360	2,731	187,734	14,339	2,371	139,392	8,636
2056	553	83	55	0	138	1,715	189,449	14,364	1,577	140,968	8,659
2057	-268	-7	-4	0	-11	701	190,150	14,373	712	141,681	8,668
2058	-759	-1	0	0	-1	67	190,217	14,374	68	141,749	8,669
2059	-809	0	0	0	0	-122	190,095	14,372	-122	141,627	8,668
2060	39	0	0	0	0	-2	190,093	14,372	-2	141,625	8,668
Tot.	**192,123**	**29,081**	**19,387**	**0**	**48,468**	**190,093**	**190,093**	**14,372**	**141,625**	**141,625**	**8,668**
Disc	21,944	3,423	2,282	0	5,705	14,372	14,372	14,372	8,668	8,668	8,668

SUMMARY OF RESOURCES

Product	Units	Remaining Resources at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Resource Life Indic. (yr): Resource Life	Life Index	Half Life
Heavy Oil	Mbbl	7,659,253	0	7,659,253	6,297,793	1.000	7,659,253	100	49.1	999.9	24.4
Total: Oil Eq.	Mboe	7,659,253	0	7,659,253	6,297,793	1.000	7,659,253	100	49.1	999.9	24.4

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	607,363	100	80,340	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	607,363	100	80,340	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	18.2284	0.0	360,612	355,219	165,126	190,093	24.82	306,751	165,126	141,625	18.49
Non-crown Royalty	0.0000	0.0000	5.0	116,700	115,447	64,817	50,630	6.61	100,477	64,817	35,660	4.66
Mineral Tax	0.0000	0.0000	8.0	67,134	66,535	42,591	23,944	3.13	58,321	42,591	15,729	2.05
			10.0	48,408	48,024	33,652	14,372	1.88	42,320	33,652	8,668	1.13
			12.0	35,893	35,638	27,345	8,293	1.08	31,579	27,345	4,234	0.55
			15.0	23,936	23,791	20,874	2,917	0.38	21,260	20,874	386	0.05
			20.0	13,332	13,268	14,404	-1,136	-0.15	12,018	14,404	-2,385	-0.31

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:20

SUMMARY - TOTAL TAX POOLS

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High Estimate Contingent Resources	**94**

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (MMbbl)					
Total Company Interest	414	552	1,006	2,321	7,659
Working Interest	414	552	1,006	2,321	7,659
Net After Royalty	341	443	838	1,917	6,298
Oil Equivalent (MMbbl)					
Total Company Interest	414	552	1,006	2,321	7,659
Working Interest	414	552	1,006	2,321	7,659
Net After Royalty	341	443	838	1,917	6,298
BEFORE TAX PRESENT VALUE (MM$)					
0%	11,429	16,681	21,736	52,945	190,093
5%	2,948	4,571	6,761	15,465	50,630
8%	1,371	2,236	3,198	7,376	23,944
10%	791	1,375	1,788	4,340	14,372
12%	408	810	835	2,364	8,293
15%	47	280	-65	580	2,917
20%	-266	-173	-798	-782	-1,136
AFTER TAX PRESENT VALUE (MM$)					
0%	8,551	12,530	16,219	39,320	141,625
5%	2,103	3,304	4,650	10,686	35,608
8%	900	1,529	1,929	4,622	15,671
10%	457	874	861	2,377	8,609
12%	164	444	145	936	4,178
15%	-114	41	-520	-336	334
20%	-353	-302	-1,042	-1,252	-2,427

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:21

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	2,040	745	699	59.59
2014	22	6,970	2,544	2,371	63.24
2015	32	11,350	4,143	3,861	63.58
2016	62	19,390	7,077	6,597	63.68
2017	77	26,756	9,766	9,086	64.63
2018	93	28,291	10,326	9,581	66.78
2019	115	27,928	10,194	9,432	68.25
2020	150	29,931	10,925	9,962	70.45
2021	162	29,793	10,874	9,567	71.96
2022	148	29,633	10,816	9,513	73.50
2023	140	29,932	10,925	9,375	75.08
2024	105	28,268	10,318	8,687	76.58
2025	125	30,457	11,117	8,914	78.11
2026	143	30,225	11,032	8,940	79.67
2027	147	29,796	10,876	8,981	81.26
2028	156	30,339	11,074	8,926	82.89
2029	135	29,541	10,783	8,729	84.55
2030	132	29,918	10,920	8,629	86.24
2031	127	30,007	10,953	8,766	87.96
2032	132	29,468	10,756	8,954	89.72
2033	148	30,331	11,071	8,868	91.52
2034	148	30,340	11,074	9,080	93.35
2035	140	29,673	10,830	8,521	95.21
2036	131	30,124	10,995	8,892	97.12
2037	132	29,874	10,904	8,854	99.06
2038	136	29,853	10,896	8,667	101.04
2039	146	30,163	11,009	8,660	103.06
2040	132	26,536	9,685	7,796	105.12
2041	124	25,438	9,285	7,560	107.23
2042	119	24,151	8,815	7,114	109.37
2043	109	22,529	8,223	6,650	111.56
2044	112	21,897	7,993	6,427	113.79
2045	102	20,463	7,469	5,995	116.06
2046	96	20,271	7,399	5,889	118.39
2047	95	20,247	7,390	5,888	120.75
2048	94	20,025	7,309	5,863	123.17
2049	95	20,041	7,315	5,853	125.63
2050	95	19,959	7,285	5,827	128.14
2051	95	20,213	7,378	5,833	130.71
2052	96	20,390	7,442	5,899	133.32
2053	94	20,155	7,356	5,852	135.99
2054	94	20,064	7,323	5,714	138.71
2055	94	19,794	7,225	5,429	141.48
2056	86	17,496	6,386	5,128	144.31
2057	86	15,852	5,786	4,669	147.20
2058	83	14,622	5,337	4,247	150.14
2059	73	12,759	4,657	3,682	153.14
2060	64	10,562	3,855	2,948	156.21
Tot.			**413,856**	**341,373**	**98.50**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	44	0	0	44	0	44	3	0	0	0	3	42	29	4	33
2014	161	0	0	161	0	161	11	0	0	0	11	150	61	12	72
2015	263	0	0	263	0	263	18	0	0	0	18	245	107	18	124
2016	451	0	0	451	0	451	31	0	0	0	31	420	173	33	206
2017	631	0	0	631	0	631	44	0	0	0	44	587	184	38	223
2018	690	0	0	690	0	690	50	0	0	0	50	640	183	39	221
2019	696	0	0	696	0	696	52	0	0	0	52	644	199	41	240
2020	770	0	0	770	0	770	68	0	0	0	68	702	198	40	238
2021	783	0	0	783	0	783	94	0	0	0	94	688	210	44	253
2022	795	0	0	795	0	795	96	0	0	0	96	699	209	43	252
2023	820	0	0	820	0	820	116	0	0	0	116	704	217	46	263
2024	790	0	0	790	0	790	125	0	0	0	125	665	213	46	259
2025	868	0	0	868	0	868	172	0	0	0	172	696	220	47	267
2026	879	0	0	879	0	879	167	0	0	0	167	712	227	48	275
2027	884	0	0	884	0	884	154	0	0	0	154	730	230	48	277
2028	918	0	0	918	0	918	178	0	0	0	178	740	241	51	291
2029	912	0	0	912	0	912	174	0	0	0	174	738	241	51	293
2030	942	0	0	942	0	942	198	0	0	0	198	744	246	53	299
2031	963	0	0	963	0	963	192	0	0	0	192	771	248	53	300
2032	965	0	0	965	0	965	162	0	0	0	162	803	250	53	303
2033	1,013	0	0	1,013	0	1,013	202	0	0	0	202	812	267	57	324
2034	1,034	0	0	1,034	0	1,034	186	0	0	0	186	848	268	57	325
2035	1,031	0	0	1,031	0	1,031	220	0	0	0	220	811	275	59	334
2036	1,068	0	0	1,068	0	1,068	204	0	0	0	204	864	273	58	331
2037	1,080	0	0	1,080	0	1,080	203	0	0	0	203	877	279	59	338
2038	1,101	0	0	1,101	0	1,101	225	0	0	0	225	876	289	61	350
2039	1,135	0	0	1,135	0	1,135	242	0	0	0	242	893	288	60	349
2040	1,018	0	0	1,018	0	1,018	199	0	0	0	199	820	280	56	336
2041	996	0	0	996	0	996	185	0	0	0	185	811	279	54	333
2042	964	0	0	964	0	964	186	0	0	0	186	778	277	52	329
2043	917	0	0	917	0	917	175	0	0	0	175	742	258	50	308
2044	909	0	0	909	0	909	178	0	0	0	178	731	223	49	273
2045	867	0	0	867	0	867	171	0	0	0	171	696	216	48	264
2046	876	0	0	876	0	876	179	0	0	0	179	697	216	49	264
2047	892	0	0	892	0	892	181	0	0	0	181	711	213	49	262
2048	900	0	0	900	0	900	178	0	0	0	178	722	217	50	267
2049	919	0	0	919	0	919	184	0	0	0	184	735	222	51	273
2050	934	0	0	934	0	934	187	0	0	0	187	747	215	52	267
2051	964	0	0	964	0	964	202	0	0	0	202	762	223	54	277
2052	992	0	0	992	0	992	206	0	0	0	206	786	224	54	278
2053	1,000	0	0	1,000	0	1,000	205	0	0	0	205	796	230	56	286
2054	1,016	0	0	1,016	0	1,016	223	0	0	0	223	793	233	57	290
2055	1,022	0	0	1,022	0	1,022	254	0	0	0	254	768	229	55	284
2056	922	0	0	922	0	922	182	0	0	0	182	740	208	47	256
2057	852	0	0	852	0	852	164	0	0	0	164	687	223	48	271
2058	801	0	0	801	0	801	164	0	0	0	164	638	228	45	272
2059	713	0	0	713	0	713	149	0	0	0	149	564	183	40	223
2060	602	0	0	602	0	602	142	0	0	0	142	460	169	36	205
Tot.	**40,763**	**0**	**0**	**40,763**	**0**	**40,763**	**7,479**	**0**	**0**	**0**	**7,479**	**33,285**	**10,589**	**2,268**	**12,858**
Disc	5,940	0	0	5,940	0	5,940	838	0	0	0	838	5,102	1,663	341	2,004

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	209	244	-244	-295	-282
2013	0	0	0	8	0	0	8	60	0	256	316	-307	-603	-546
2014	0	0	0	78	4	0	82	43	0	424	467	-386	-988	-848
2015	0	0	0	121	4	0	125	128	0	337	465	-340	-1,329	-1,090
2016	0	0	0	214	10	0	224	44	0	88	132	92	-1,237	-1,030
2017	0	0	0	365	9	0	373	31	0	63	93	280	-957	-866
2018	0	0	0	419	9	0	427	74	0	75	149	278	-678	-717
2019	0	0	0	404	18	0	422	70	0	75	146	276	-402	-583
2020	0	0	0	464	18	0	481	107	0	104	210	271	-131	-463
2021	0	0	0	435	18	0	453	62	0	77	139	315	184	-337
2022	0	0	0	447	18	6	460	100	0	101	201	258	442	-243
2023	0	0	0	440	19	11	448	61	0	74	136	312	754	-139
2024	0	0	0	406	19	5	420	71	0	77	148	272	1,026	-57
2025	0	0	0	429	19	0	448	75	0	83	159	289	1,315	22
2026	0	0	0	437	20	7	449	90	0	97	187	262	1,578	87
2027	0	0	0	452	20	3	469	110	0	111	222	248	1,826	143
2028	0	0	0	449	20	9	460	85	0	96	182	278	2,104	201
2029	0	0	0	445	21	5	461	88	0	96	185	276	2,380	252
2030	0	0	0	445	21	10	457	67	0	82	149	308	2,688	305
2031	0	0	0	471	22	9	483	87	0	96	182	301	2,989	351
2032	0	0	0	501	22	5	518	131	0	127	258	260	3,248	388
2033	0	0	0	488	23	8	503	86	0	100	186	317	3,566	428
2034	0	0	0	523	23	6	540	120	0	124	244	296	3,862	463
2035	0	0	0	478	24	6	495	63	0	85	148	348	4,210	499
2036	0	0	0	533	24	11	546	110	0	116	226	319	4,529	530
2037	0	0	0	539	24	9	554	115	0	120	234	320	4,849	558
2038	0	0	0	525	25	10	540	85	0	102	187	353	5,202	586
2039	0	0	0	544	25	7	563	80	0	101	181	382	5,583	614
2040	0	0	0	484	28	7	505	85	0	101	186	319	5,902	634
2041	0	0	0	477	30	8	499	93	0	107	200	299	6,201	652
2042	0	0	0	449	31	10	470	76	0	94	170	300	6,501	668
2043	0	0	0	434	19	10	443	76	0	94	170	272	6,773	682
2044	0	0	0	459	7	10	456	91	0	101	191	265	7,038	694
2045	0	0	0	432	7	11	428	83	0	92	175	253	7,291	704
2046	0	0	0	433	8	18	423	78	0	88	166	257	7,548	714
2047	0	0	0	449	8	8	449	84	0	92	177	272	7,819	723
2048	0	0	0	456	8	7	456	91	0	97	188	268	8,087	731
2049	0	0	0	463	8	8	462	90	0	97	187	275	8,362	739
2050	0	0	0	480	8	7	481	97	0	103	200	281	8,644	746
2051	0	0	0	486	8	7	487	86	0	97	183	304	8,948	753
2052	0	0	0	508	8	8	508	96	0	104	200	308	9,257	759
2053	0	0	0	510	9	9	510	98	0	106	203	306	9,563	765
2054	0	0	0	503	9	7	505	76	0	92	168	337	9,899	771
2055	0	0	0	484	9	8	485	37	0	66	103	382	10,281	777
2056	0	0	0	484	10	9	486	104	0	108	212	274	10,555	781
2057	0	0	0	416	12	9	420	77	0	92	169	250	10,805	784
2058	0	0	0	365	14	10	369	48	0	72	120	249	11,055	787
2059	0	0	0	340	0	7	333	49	0	67	116	217	11,272	789
2060	0	0	0	255	0	56	199	6	0	36	42	157	11,429	791
Tot.	**0**	**0**	**0**	**20,427**	**721**	**365**	**20,783**	**3,899**	**0**	**5,456**	**9,355**	**11,429**	**11,429**	**791**
Disc	0	0	0	3,098	123	29	3,192	741	0	1,661	2,401	791	791	791

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	66	0	48	127	90	0	0	0	0	0	0
2012	0	275	0	83	127	90	0	0	0	0	0	0
2013	8	531	0	143	127	90	0	0	8	0	0	8
2014	82	956	0	178	127	90	28	0	53	0	0	82
2015	125	1,264	0	253	127	90	49	0	76	0	0	125
2016	224	1,303	0	221	127	90	158	0	66	0	0	224
2017	373	1,208	0	185	127	90	294	0	56	0	24	373
2018	427	989	0	204	127	66	237	0	61	63	66	427
2019	422	827	0	213	64	0	197	0	64	64	0	324
2020	481	734	0	256	0	0	170	0	77	0	0	247
2021	453	641	0	241	0	0	150	0	72	0	0	222
2022	460	592	0	269	0	0	135	0	81	0	0	215
2023	448	532	0	249	0	0	123	0	75	0	0	198
2024	420	486	0	245	0	0	111	0	74	0	0	185
2025	448	458	0	247	0	0	104	0	74	0	0	178
2026	449	451	0	263	0	0	100	0	79	0	0	179
2027	469	462	0	295	0	0	101	0	88	0	0	190
2028	460	457	0	291	0	0	102	0	87	0	0	189
2029	461	452	0	292	0	0	101	0	88	0	0	188
2030	457	433	0	271	0	0	98	0	81	0	0	179
2031	483	431	0	276	0	0	96	0	83	0	0	179
2032	518	462	0	325	0	0	100	0	98	0	0	197
2033	503	463	0	313	0	0	103	0	94	0	0	197
2034	540	483	0	339	0	0	105	0	102	0	0	207
2035	495	463	0	300	0	0	105	0	90	0	0	195
2036	546	474	0	321	0	0	104	0	96	0	0	200
2037	554	490	0	339	0	0	107	0	102	0	0	209
2038	540	485	0	323	0	0	108	0	97	0	0	205
2039	563	477	0	306	0	0	107	0	92	0	0	198
2040	505	472	0	299	0	0	105	0	90	0	0	195
2041	499	473	0	302	0	0	105	0	91	0	0	196
2042	470	462	0	288	0	0	104	0	86	0	0	190
2043	443	453	0	278	0	0	101	0	83	0	0	185
2044	456	452	0	285	0	0	100	0	86	0	0	186
2045	428	444	0	283	0	0	99	0	85	0	0	184
2046	423	433	0	275	0	0	97	0	83	0	0	180
2047	449	428	0	277	0	0	95	0	83	0	0	179
2048	456	430	0	285	0	0	95	0	86	0	0	181
2049	462	432	0	289	0	0	96	0	87	0	0	183
2050	481	439	0	299	0	0	97	0	90	0	0	187
2051	487	439	0	296	0	0	98	0	89	0	0	186
2052	508	446	0	303	0	0	98	0	91	0	0	189
2053	510	453	0	309	0	0	100	0	93	0	0	193
2054	505	445	0	293	0	0	100	0	88	0	0	188
2055	485	412	0	242	0	0	95	0	73	0	0	167
2056	486	425	0	273	0	0	93	0	82	0	0	175
2057	420	425	0	268	0	0	95	0	80	0	0	175
2058	369	402	0	235	0	0	92	0	71	0	0	162
2059	333	378	0	214	0	0	86	0	64	0	0	150
2060	199	328	0	156	0	0	78	0	47	0	0	124
Tot.	**20,783**	**328**	**0**	**156**	**0**	**0**	**5,220**	**0**	**3,838**	**127**	**90**	**9,275**
Disc	3,192						1,108	0	635	65	49	1,856

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Tax Rate %	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	10.0	0	0	0	-52	-52	-51	-52	-52	-51
2012	0	0	10.0	0	0	0	-244	-295	-282	-244	-295	-282
2013	0	0	10.0	0	0	0	-307	-603	-546	-307	-603	-546
2014	0	0	10.0	0	0	0	-386	-988	-848	-386	-988	-848
2015	0	0	10.0	0	0	0	-340	-1,329	-1,090	-340	-1,329	-1,090
2016	0	0	10.0	0	0	0	92	-1,237	-1,030	92	-1,237	-1,030
2017	0	0	10.0	0	0	0	280	-957	-866	280	-957	-866
2018	0	0	10.0	0	0	0	278	-678	-717	278	-678	-717
2019	98	15	10.0	10	0	24	276	-402	-583	252	-426	-595
2020	235	35	10.0	23	0	59	271	-131	-463	212	-214	-501
2021	231	35	10.0	23	0	58	315	184	-337	257	43	-398
2022	244	37	10.0	24	0	61	258	442	-243	197	240	-326
2023	250	37	10.0	25	0	62	312	754	-139	249	490	-243
2024	235	35	10.0	24	0	59	272	1,026	-57	213	703	-179
2025	270	41	10.0	27	0	68	289	1,315	22	222	925	-118
2026	270	41	10.0	27	0	68	262	1,578	87	195	1,120	-70
2027	280	42	10.0	28	0	70	248	1,826	143	178	1,297	-29
2028	270	41	10.0	27	0	68	278	2,104	201	211	1,508	14
2029	273	41	10.0	27	0	68	276	2,380	252	208	1,716	53
2030	278	42	10.0	28	0	69	308	2,688	305	239	1,954	93
2031	305	46	10.0	30	0	76	301	2,989	351	225	2,179	128
2032	321	48	10.0	32	0	80	260	3,248	388	179	2,359	153
2033	306	46	10.0	31	0	77	317	3,566	428	241	2,600	184
2034	333	50	10.0	33	0	83	296	3,862	463	213	2,813	209
2035	300	45	10.0	30	0	75	348	4,210	499	273	3,085	238
2036	346	52	10.0	35	0	86	319	4,529	530	233	3,318	260
2037	345	52	10.0	34	0	86	320	4,849	558	233	3,552	280
2038	335	50	10.0	34	0	84	353	5,202	586	269	3,821	302
2039	364	55	10.0	36	0	91	382	5,583	614	291	4,111	323
2040	310	46	10.0	31	0	77	319	5,902	634	241	4,353	339
2041	303	45	10.0	30	0	76	299	6,201	652	223	4,576	352
2042	280	42	10.0	28	0	70	300	6,501	668	230	4,806	364
2043	258	39	10.0	26	0	64	272	6,773	682	208	5,013	375
2044	270	41	10.0	27	0	68	265	7,038	694	197	5,211	383
2045	244	37	10.0	24	0	61	253	7,291	704	192	5,403	391
2046	243	36	10.0	24	0	61	257	7,548	714	196	5,599	399
2047	270	40	10.0	27	0	67	272	7,819	723	204	5,803	405
2048	275	41	10.0	28	0	69	268	8,087	731	199	6,002	411
2049	280	42	10.0	28	0	70	275	8,362	739	205	6,207	417
2050	294	44	10.0	29	0	74	281	8,644	746	208	6,415	422
2051	301	45	10.0	30	0	75	304	8,948	753	229	6,644	428
2052	319	48	10.0	32	0	80	308	9,257	759	229	6,873	432
2053	317	48	10.0	32	0	79	306	9,563	765	227	7,100	437
2054	317	48	10.0	32	0	79	337	9,899	771	257	7,357	441
2055	318	48	10.0	32	0	79	382	10,281	777	302	7,659	446
2056	311	47	10.0	31	0	78	274	10,555	781	196	7,856	449
2057	244	37	10.0	24	0	61	250	10,805	784	189	8,045	451
2058	207	31	10.0	21	0	52	249	11,055	787	197	8,242	454
2059	183	27	10.0	18	0	46	217	11,272	789	171	8,413	455
2060	75	11	10.0	8	0	19	157	11,429	791	138	8,551	457
Tot.	**11,508**	**1,726**		**1,151**	**0**	**2,877**	**11,429**	**11,429**	**791**	**8,551**	**8,551**	**457**
Disc	1,336	200		134	0	334	791	791	791	457	457	457

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	413,856	0	413,856	341,373	1.000	413,856	100	49.1	555.8	23.9
Total: Oil Eq.	Mboe	413,856	0	413,856	341,373	1.000	413,856	100	49.1	555.8	23.9

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,285	100	5,102	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,285	100	5,102	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	18.3463	0.0	20,427	20,783	9,355	11,429	27.61	17,906	9,355	8,551	20.66
Non-crown Royalty	0.0000	0.0000	5.0	6,710	6,886	3,938	2,948	7.12	6,040	3,938	2,103	5.08
Mineral Tax	0.0000	0.0000	8.0	4,089	4,208	2,837	1,371	3.31	3,737	2,837	900	2.18
			10.0	3,098	3,192	2,401	791	1.91	2,858	2,401	457	1.10
			12.0	2,425	2,501	2,093	408	0.99	2,257	2,093	164	0.40
			15.0	1,762	1,819	1,772	47	0.11	1,659	1,772	-114	-0.27
			20.0	1,133	1,170	1,436	-266	-0.64	1,083	1,436	-353	-0.85

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:16

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **PPP**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	2,280	832	781	59.59
2014	20	7,220	2,635	2,456	63.25
2015	30	11,625	4,243	3,955	63.58
2016	60	20,408	7,449	6,943	63.68
2017	80	30,235	11,036	10,268	64.63
2018	100	34,701	12,666	11,752	66.78
2019	124	36,572	13,349	12,277	68.25
2020	159	40,178	14,665	12,863	70.45
2021	180	40,135	14,649	12,674	71.96
2022	191	39,946	14,580	12,732	73.50
2023	207	40,931	14,940	12,366	75.08
2024	183	39,609	14,457	11,575	76.58
2025	158	39,541	14,432	11,052	78.11
2026	174	40,550	14,801	11,659	79.67
2027	170	39,306	14,347	11,332	81.26
2028	183	40,458	14,767	11,400	82.89
2029	188	40,484	14,777	11,734	84.55
2030	178	39,511	14,422	11,358	86.24
2031	178	40,404	14,747	11,335	87.96
2032	182	40,461	14,768	11,702	89.72
2033	171	39,258	14,329	11,338	91.52
2034	177	40,300	14,710	11,319	93.35
2035	184	40,524	14,791	11,682	95.21
2036	177	39,496	14,416	11,402	97.12
2037	178	40,230	14,684	11,281	99.06
2038	182	40,360	14,731	11,723	101.04
2039	174	39,477	14,409	11,313	103.06
2040	176	40,171	14,662	11,311	105.12
2041	185	40,476	14,774	11,691	107.23
2042	175	39,241	14,323	11,305	109.37
2043	176	40,002	14,601	11,289	111.56
2044	183	40,395	14,744	11,624	113.79
2045	173	39,269	14,333	11,365	116.06
2046	178	40,271	14,699	11,247	118.39
2047	182	40,258	14,694	11,183	120.75
2048	164	36,819	13,439	10,753	123.17
2049	170	36,037	13,154	10,195	125.63
2050	177	35,470	12,946	9,944	128.14
2051	155	31,203	11,389	8,877	130.71
2052	141	26,950	9,837	7,564	133.32
2053	147	24,715	9,021	6,752	135.99
2054	121	19,218	7,015	5,323	138.71
2055	98	13,976	5,101	3,979	141.48
2056	95	10,755	3,926	2,962	144.31
2057	56	6,145	2,243	1,729	147.20
2058	40	3,710	1,354	1,069	150.14
2059	24	1,911	698	563	153.14
2060	8	574	210	180	156.21
Tot.			**551,794**	**443,178**	**97.24**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	50	0	0	50	0	50	3	0	0	0	3	47	30	4	34
2014	167	0	0	167	0	167	11	0	0	0	11	155	60	12	71
2015	270	0	0	270	0	270	18	0	0	0	18	251	106	18	124
2016	474	0	0	474	0	474	32	0	0	0	32	442	175	34	209
2017	713	0	0	713	0	713	50	0	0	0	50	664	207	43	250
2018	846	0	0	846	0	846	61	0	0	0	61	785	238	48	286
2019	911	0	0	911	0	911	73	0	0	0	73	838	252	52	304
2020	1,033	0	0	1,033	0	1,033	127	0	0	0	127	906	248	53	301
2021	1,054	0	0	1,054	0	1,054	142	0	0	0	142	912	260	57	317
2022	1,072	0	0	1,072	0	1,072	136	0	0	0	136	936	268	58	325
2023	1,122	0	0	1,122	0	1,122	193	0	0	0	193	928	269	57	327
2024	1,107	0	0	1,107	0	1,107	221	0	0	0	221	886	284	62	346
2025	1,127	0	0	1,127	0	1,127	264	0	0	0	264	863	279	61	341
2026	1,179	0	0	1,179	0	1,179	250	0	0	0	250	929	279	60	340
2027	1,166	0	0	1,166	0	1,166	245	0	0	0	245	921	292	64	356
2028	1,224	0	0	1,224	0	1,224	279	0	0	0	279	945	299	65	364
2029	1,249	0	0	1,249	0	1,249	257	0	0	0	257	992	302	65	367
2030	1,244	0	0	1,244	0	1,244	264	0	0	0	264	979	316	69	385
2031	1,297	0	0	1,297	0	1,297	300	0	0	0	300	997	317	69	386
2032	1,325	0	0	1,325	0	1,325	275	0	0	0	275	1,050	317	68	386
2033	1,311	0	0	1,311	0	1,311	274	0	0	0	274	1,038	330	72	402
2034	1,373	0	0	1,373	0	1,373	316	0	0	0	316	1,057	336	73	409
2035	1,408	0	0	1,408	0	1,408	296	0	0	0	296	1,112	339	73	413
2036	1,400	0	0	1,400	0	1,400	293	0	0	0	293	1,107	353	77	430
2037	1,455	0	0	1,455	0	1,455	337	0	0	0	337	1,117	358	78	436
2038	1,488	0	0	1,488	0	1,488	304	0	0	0	304	1,185	358	77	435
2039	1,485	0	0	1,485	0	1,485	319	0	0	0	319	1,166	375	82	457
2040	1,541	0	0	1,541	0	1,541	352	0	0	0	352	1,189	377	82	459
2041	1,584	0	0	1,584	0	1,584	331	0	0	0	331	1,254	381	82	462
2042	1,567	0	0	1,567	0	1,567	330	0	0	0	330	1,236	396	86	483
2043	1,629	0	0	1,629	0	1,629	369	0	0	0	369	1,259	400	87	487
2044	1,678	0	0	1,678	0	1,678	355	0	0	0	355	1,323	406	88	494
2045	1,664	0	0	1,664	0	1,664	345	0	0	0	345	1,319	416	91	507
2046	1,740	0	0	1,740	0	1,740	409	0	0	0	409	1,331	427	94	520
2047	1,774	0	0	1,774	0	1,774	424	0	0	0	424	1,350	411	91	502
2048	1,655	0	0	1,655	0	1,655	331	0	0	0	331	1,324	397	87	484
2049	1,653	0	0	1,653	0	1,653	372	0	0	0	372	1,281	421	90	512
2050	1,659	0	0	1,659	0	1,659	385	0	0	0	385	1,274	415	86	500
2051	1,489	0	0	1,489	0	1,489	328	0	0	0	328	1,160	383	79	462
2052	1,311	0	0	1,311	0	1,311	303	0	0	0	303	1,009	330	71	401
2053	1,227	0	0	1,227	0	1,227	308	0	0	0	308	918	310	63	373
2054	973	0	0	973	0	973	235	0	0	0	235	738	271	49	320
2055	722	0	0	722	0	722	159	0	0	0	159	563	229	35	263
2056	567	0	0	567	0	567	139	0	0	0	139	427	150	25	175
2057	330	0	0	330	0	330	76	0	0	0	76	255	97	14	111
2058	203	0	0	203	0	203	43	0	0	0	43	160	65	8	72
2059	107	0	0	107	0	107	21	0	0	0	21	86	38	4	41
2060	33	0	0	33	0	33	5	0	0	0	5	28	16	1	17
Tot.	**53,655**	**0**	**0**	**53,655**	**0**	**53,655**	**10,960**	**0**	**0**	**0**	**10,960**	**42,696**	**13,578**	**2,866**	**16,445**
Disc	7,768	0	0	7,768	0	7,768	1,268	0	0	0	1,268	6,501	2,055	432	2,487

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	209	244	-244	-296	-282
2013	0	0	0	12	0	0	12	52	0	251	303	-290	-586	-532
2014	0	0	0	84	4	0	88	43	0	436	479	-391	-977	-838
2015	0	0	0	128	4	0	131	128	0	431	559	-428	-1,406	-1,142
2016	0	0	0	233	10	0	243	65	0	268	333	-90	-1,496	-1,201
2017	0	0	0	413	8	0	421	54	0	152	207	214	-1,281	-1,075
2018	0	0	0	499	7	0	506	69	0	88	157	349	-932	-888
2019	0	0	0	534	16	0	550	50	0	68	118	432	-500	-679
2020	0	0	0	605	15	0	621	96	0	102	198	423	-77	-492
2021	0	0	0	595	16	0	611	74	0	92	166	444	367	-314
2022	0	0	0	611	16	0	627	65	0	89	154	473	840	-141
2023	0	0	0	602	16	9	609	104	0	117	221	388	1,228	-12
2024	0	0	0	541	17	13	544	84	0	103	186	358	1,586	95
2025	0	0	0	523	17	1	539	50	0	77	127	413	1,999	209
2026	0	0	0	589	17	10	596	101	0	113	214	383	2,381	304
2027	0	0	0	565	18	10	573	90	0	107	198	375	2,757	389
2028	0	0	0	581	18	2	596	68	0	95	162	434	3,191	478
2029	0	0	0	625	18	7	635	112	0	126	239	397	3,587	552
2030	0	0	0	594	19	9	604	88	0	110	198	406	3,993	621
2031	0	0	0	611	19	7	623	65	0	96	161	463	4,456	693
2032	0	0	0	664	19	13	671	119	0	133	252	419	4,876	752
2033	0	0	0	636	20	10	645	103	0	122	225	420	5,296	806
2034	0	0	0	647	20	4	664	71	0	102	172	491	5,787	863
2035	0	0	0	700	21	11	709	119	0	137	256	454	6,241	911
2036	0	0	0	678	21	9	690	109	0	130	239	451	6,692	954
2037	0	0	0	682	22	6	697	70	0	106	176	521	7,213	1,000
2038	0	0	0	750	22	13	758	140	0	154	294	464	7,677	1,036
2039	0	0	0	709	22	10	721	102	0	129	231	490	8,168	1,072
2040	0	0	0	730	23	5	748	84	0	118	202	546	8,714	1,108
2041	0	0	0	791	23	14	801	138	0	157	295	506	9,220	1,138
2042	0	0	0	754	24	12	765	117	0	142	259	507	9,726	1,165
2043	0	0	0	772	24	5	791	92	0	127	218	573	10,299	1,193
2044	0	0	0	829	25	14	840	137	0	159	296	543	10,843	1,218
2045	0	0	0	812	25	12	826	137	0	159	295	530	11,373	1,239
2046	0	0	0	811	26	6	831	77	0	121	198	632	12,005	1,263
2047	0	0	0	848	26	16	859	85	0	128	212	646	12,652	1,285
2048	0	0	0	840	28	12	856	166	0	178	344	512	13,164	1,300
2049	0	0	0	769	30	7	792	84	0	128	211	580	13,744	1,316
2050	0	0	0	774	32	16	790	74	0	123	197	593	14,337	1,331
2051	0	0	0	698	19	14	703	81	0	124	206	498	14,835	1,343
2052	0	0	0	607	8	7	608	54	0	99	153	455	15,290	1,352
2053	0	0	0	545	10	17	539	11	0	72	83	456	15,746	1,361
2054	0	0	0	418	12	15	415	6	0	60	66	349	16,095	1,367
2055	0	0	0	300	14	15	299	9	0	54	64	235	16,330	1,371
2056	0	0	0	253	0	24	228	3	0	41	44	184	16,514	1,373
2057	0	0	0	143	0	11	133	3	0	27	30	103	16,617	1,375
2058	0	0	0	88	0	12	76	3	0	21	24	53	16,670	1,375
2059	0	0	0	45	0	20	25	2	0	13	15	10	16,680	1,375
2060	0	0	0	11	0	5	6	0	0	4	4	2	16,681	1,375
Tot.	**0**	**0**	**0**	**26,251**	**769**	**404**	**26,616**	**3,688**	**0**	**6,247**	**9,935**	**16,681**	**16,681**	**1,375**
Disc	0	0	0	4,014	113	31	4,096	753	0	1,967	2,720	1,375	1,375	1,375

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	66	0	48	127	90	0	0	0	0	0	0
2012	0	275	0	83	127	90	0	0	0	0	0	0
2013	12	526	0	135	127	90	0	0	12	0	0	12
2014	88	962	0	166	127	90	38	0	50	0	0	88
2015	131	1,355	0	245	127	90	58	0	73	0	0	131
2016	243	1,565	0	237	127	90	172	0	71	0	0	243
2017	421	1,546	0	220	127	90	355	0	66	0	0	421
2018	506	1,279	0	223	127	90	308	0	67	41	90	506
2019	550	1,038	0	206	86	0	250	0	62	86	0	398
2020	621	890	0	240	0	0	209	0	72	0	0	281
2021	611	773	0	242	0	0	181	0	73	0	0	254
2022	627	681	0	234	0	0	159	0	70	0	0	229
2023	609	639	0	268	0	0	145	0	80	0	0	225
2024	544	597	0	271	0	0	136	0	81	0	0	217
2025	539	538	0	240	0	0	124	0	72	0	0	196
2026	596	527	0	268	0	0	117	0	80	0	0	198
2027	573	517	0	278	0	0	115	0	83	0	0	199
2028	596	496	0	262	0	0	112	0	79	0	0	191
2029	635	511	0	296	0	0	112	0	89	0	0	200
2030	604	509	0	295	0	0	113	0	89	0	0	202
2031	623	491	0	272	0	0	111	0	81	0	0	192
2032	671	514	0	309	0	0	112	0	93	0	0	204
2033	645	524	0	319	0	0	116	0	96	0	0	211
2034	664	510	0	294	0	0	115	0	88	0	0	203
2035	709	532	0	325	0	0	116	0	97	0	0	213
2036	690	547	0	336	0	0	120	0	101	0	0	221
2037	697	532	0	306	0	0	120	0	92	0	0	211
2038	758	566	0	354	0	0	122	0	106	0	0	228
2039	721	573	0	350	0	0	127	0	105	0	0	232
2040	748	563	0	329	0	0	126	0	99	0	0	225
2041	801	594	0	369	0	0	129	0	111	0	0	239
2042	765	607	0	375	0	0	134	0	112	0	0	246
2043	791	600	0	354	0	0	134	0	106	0	0	240
2044	840	626	0	385	0	0	136	0	115	0	0	252
2045	826	648	0	406	0	0	142	0	122	0	0	264
2046	831	627	0	361	0	0	142	0	108	0	0	250
2047	859	613	0	338	0	0	137	0	101	0	0	239
2048	856	654	0	402	0	0	141	0	121	0	0	262
2049	792	640	0	365	0	0	144	0	110	0	0	254
2050	790	620	0	329	0	0	139	0	99	0	0	238
2051	703	604	0	312	0	0	136	0	94	0	0	229
2052	608	568	0	272	0	0	130	0	82	0	0	211
2053	539	510	0	201	0	0	119	0	60	0	0	179
2054	415	452	0	147	0	0	105	0	44	0	0	149
2055	299	401	0	112	0	0	93	0	34	0	0	127
2056	228	348	0	82	0	0	82	0	25	0	0	106
2057	133	294	0	60	0	0	70	0	18	0	0	88
2058	76	244	0	45	0	0	58	0	14	0	0	72
2059	25	199	0	33	0	0	15	0	10	0	0	25
2060	6	188	0	23	0	0	0	0	6	0	0	6
Tot.	**26,616**	**188**	**0**	**23**	**0**	**0**	**6,074**	**0**	**3,719**	**127**	**90**	**10,009**
Disc	4,096						1,332	0	647	63	48	2,091

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Tax Rate %	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	10.0	0	0	0	-52	-52	-51	-52	-52	-51
2012	0	0	10.0	0	0	0	-244	-296	-282	-244	-296	-282
2013	0	0	10.0	0	0	0	-290	-586	-532	-290	-586	-532
2014	0	0	10.0	0	0	0	-391	-977	-838	-391	-977	-838
2015	0	0	10.0	0	0	0	-428	-1,406	-1,142	-428	-1,406	-1,142
2016	0	0	10.0	0	0	0	-90	-1,496	-1,201	-90	-1,496	-1,201
2017	0	0	10.0	0	0	0	214	-1,281	-1,075	214	-1,281	-1,075
2018	0	0	10.0	0	0	0	349	-932	-888	349	-932	-888
2019	152	23	10.0	15	0	38	432	-500	-679	394	-538	-697
2020	340	51	10.0	34	0	85	423	-77	-492	338	-200	-548
2021	357	54	10.0	36	0	89	444	367	-314	355	155	-405
2022	398	60	10.0	40	0	100	473	840	-141	374	529	-269
2023	384	58	10.0	38	0	96	388	1,228	-12	292	821	-172
2024	327	49	10.0	33	0	82	358	1,586	95	276	1,097	-89
2025	343	51	10.0	34	0	86	413	1,999	209	327	1,424	1
2026	399	60	10.0	40	0	100	383	2,381	304	283	1,707	71
2027	374	56	10.0	37	0	93	375	2,757	389	282	1,988	135
2028	406	61	10.0	41	0	101	434	3,191	478	333	2,321	203
2029	435	65	10.0	44	0	109	397	3,587	552	288	2,609	257
2030	402	60	10.0	40	0	101	406	3,993	621	305	2,914	309
2031	431	65	10.0	43	0	108	463	4,456	693	355	3,269	364
2032	467	70	10.0	47	0	117	419	4,876	752	303	3,572	407
2033	434	65	10.0	43	0	108	420	5,296	806	312	3,884	447
2034	461	69	10.0	46	0	115	491	5,787	863	376	4,260	490
2035	496	74	10.0	50	0	124	454	6,241	911	330	4,590	525
2036	469	70	10.0	47	0	117	451	6,692	954	334	4,923	557
2037	486	73	10.0	49	0	122	521	7,213	1,000	400	5,323	592
2038	530	79	10.0	53	0	132	464	7,677	1,036	332	5,655	618
2039	489	73	10.0	49	0	122	490	8,168	1,072	368	6,023	645
2040	523	79	10.0	52	0	131	546	8,714	1,108	416	6,439	672
2041	561	84	10.0	56	0	140	506	9,220	1,138	365	6,804	694
2042	519	78	10.0	52	0	130	507	9,726	1,165	377	7,181	714
2043	551	83	10.0	55	0	138	573	10,299	1,193	435	7,616	736
2044	588	88	10.0	59	0	147	543	10,843	1,218	396	8,012	754
2045	562	84	10.0	56	0	140	530	11,373	1,239	390	8,402	769
2046	581	87	10.0	58	0	145	632	12,005	1,263	487	8,889	787
2047	620	93	10.0	62	0	155	646	12,652	1,285	491	9,381	804
2048	594	89	10.0	59	0	149	512	13,164	1,300	364	9,744	815
2049	538	81	10.0	54	0	135	580	13,744	1,316	446	10,190	828
2050	552	83	10.0	55	0	138	593	14,337	1,331	455	10,645	839
2051	474	71	10.0	47	0	118	498	14,835	1,343	379	11,024	848
2052	397	60	10.0	40	0	99	455	15,290	1,352	356	11,380	855
2053	360	54	10.0	36	0	90	456	15,746	1,361	366	11,746	862
2054	266	40	10.0	27	0	66	349	16,095	1,367	283	12,029	867
2055	172	26	10.0	17	0	43	235	16,330	1,371	192	12,221	870
2056	122	18	10.0	12	0	30	184	16,514	1,373	154	12,375	872
2057	45	7	10.0	4	0	11	103	16,617	1,375	92	12,466	873
2058	4	1	10.0	0	0	1	53	16,670	1,375	51	12,518	874
2059	0	0	10.0	0	0	0	10	16,680	1,375	10	12,528	874
2060	0	0	10.0	0	0	0	2	16,681	1,375	2	12,530	874
Tot.	**16,607**	**2,491**		**1,661**	**0**	**4,152**	**16,681**	**16,681**	**1,375**	**12,530**	**12,530**	**874**
Disc	2,005	301		201	0	501	1,375	1,375	1,375	874	874	874

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	551,794	0	551,794	443,178	1.000	551,794	100	49.1	663.1	24.3
Total: Oil Eq.	Mboe	551,794	0	551,794	443,178	1.000	551,794	100	49.1	663.1	24.3

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,696	100	6,501	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42,696	100	6,501	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	20.4259	0.0	26,251	26,616	9,935	16,681	30.23	22,464	9,935	12,530	22.71
Non-crown Royalty	0.0000	0.0000	5.0	8,822	8,981	4,410	4,571	8.28	7,714	4,410	3,304	5.99
Mineral Tax	0.0000	0.0000	8.0	5,338	5,443	3,207	2,236	4.05	4,736	3,207	1,529	2.77
			10.0	4,014	4,096	2,720	1,375	2.49	3,595	2,720	874	1.58
			12.0	3,117	3,183	2,373	810	1.47	2,817	2,373	444	0.80
			15.0	2,238	2,287	2,007	280	0.51	2,048	2,007	41	0.07
			20.0	1,414	1,447	1,620	-173	-0.31	1,318	1,620	-302	-0.55

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:17

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **Contingent Resources**
Development Class: **Low Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	8	1,800	657	617	59.59
2014	24	6,600	2,409	2,245	63.25
2015	34	10,625	3,878	3,615	63.58
2016	71	18,898	6,898	6,429	63.67
2017	173	46,316	16,905	15,729	64.63
2018	232	70,152	25,605	23,758	66.78
2019	333	93,640	34,178	31,624	68.25
2020	345	107,884	39,378	36,330	70.45
2021	387	106,970	39,044	35,818	71.96
2022	433	104,603	38,180	33,708	73.50
2023	466	103,830	37,898	33,139	75.08
2024	506	107,575	39,265	33,309	76.58
2025	539	111,526	40,707	34,071	78.11
2026	436	105,186	38,393	31,612	79.67
2027	403	105,239	38,412	31,265	81.26
2028	441	106,848	39,000	31,501	82.89
2029	475	108,154	39,476	31,873	84.55
2030	480	108,097	39,455	31,795	86.24
2031	471	107,552	39,257	31,459	87.96
2032	458	106,155	38,747	31,462	89.72
2033	445	104,509	38,146	30,733	91.52
2034	463	104,653	38,198	31,285	93.35
2035	465	102,505	37,414	30,745	95.21
2036	477	102,132	37,278	30,087	97.12
2037	468	99,742	36,406	30,076	99.06
2038	475	98,475	35,943	29,056	101.04
2039	469	96,614	35,264	28,374	103.06
2040	443	90,913	33,183	26,313	105.12
2041	420	82,711	30,189	23,951	107.23
2042	395	72,985	26,639	20,290	109.37
2043	336	59,351	21,663	16,229	111.56
2044	274	43,674	15,941	12,105	113.79
2045	204	27,996	10,219	8,029	116.06
2046	147	16,813	6,137	5,067	118.39
2047	99	9,254	3,378	2,695	120.75
2048	66	5,021	1,833	1,474	123.17
2049	27	1,619	591	506	125.63
2050	4	225	82	75	128.14
Tot.			**1,006,248**	**838,447**	**87.58**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	39	0	0	39	0	39	2	0	0	0	2	37	28	3	32
2014	152	0	0	152	0	152	10	0	0	0	10	142	82	11	93
2015	247	0	0	247	0	247	17	0	0	0	17	230	129	16	145
2016	439	0	0	439	0	439	30	0	0	0	30	409	216	33	249
2017	1,093	0	0	1,093	0	1,093	76	0	0	0	76	1,017	439	82	522
2018	1,710	0	0	1,710	0	1,710	123	0	0	0	123	1,587	573	115	688
2019	2,333	0	0	2,333	0	2,333	174	0	0	0	174	2,158	763	159	922
2020	2,774	0	0	2,774	0	2,774	215	0	0	0	215	2,559	747	170	917
2021	2,810	0	0	2,810	0	2,810	232	0	0	0	232	2,577	742	172	914
2022	2,806	0	0	2,806	0	2,806	329	0	0	0	329	2,478	729	174	903
2023	2,845	0	0	2,845	0	2,845	357	0	0	0	357	2,488	755	178	932
2024	3,007	0	0	3,007	0	3,007	456	0	0	0	456	2,551	768	179	947
2025	3,180	0	0	3,180	0	3,180	518	0	0	0	518	2,661	790	184	974
2026	3,059	0	0	3,059	0	3,059	540	0	0	0	540	2,519	793	190	983
2027	3,122	0	0	3,122	0	3,122	581	0	0	0	581	2,541	799	193	992
2028	3,233	0	0	3,233	0	3,233	622	0	0	0	622	2,611	826	198	1,024
2029	3,338	0	0	3,338	0	3,338	643	0	0	0	643	2,695	852	202	1,055
2030	3,403	0	0	3,403	0	3,403	661	0	0	0	661	2,742	868	206	1,074
2031	3,453	0	0	3,453	0	3,453	686	0	0	0	686	2,767	878	208	1,086
2032	3,476	0	0	3,476	0	3,476	654	0	0	0	654	2,823	893	212	1,105
2033	3,491	0	0	3,491	0	3,491	678	0	0	0	678	2,813	907	216	1,123
2034	3,566	0	0	3,566	0	3,566	645	0	0	0	645	2,920	929	219	1,148
2035	3,562	0	0	3,562	0	3,562	635	0	0	0	635	2,927	948	223	1,170
2036	3,620	0	0	3,620	0	3,620	698	0	0	0	698	2,922	960	226	1,186
2037	3,606	0	0	3,606	0	3,606	627	0	0	0	627	2,979	914	224	1,137
2038	3,632	0	0	3,632	0	3,632	696	0	0	0	696	2,936	941	231	1,172
2039	3,634	0	0	3,634	0	3,634	710	0	0	0	710	2,924	928	228	1,156
2040	3,488	0	0	3,488	0	3,488	722	0	0	0	722	2,766	906	221	1,128
2041	3,237	0	0	3,237	0	3,237	669	0	0	0	669	2,568	837	202	1,039
2042	2,914	0	0	2,914	0	2,914	694	0	0	0	694	2,219	765	182	947
2043	2,417	0	0	2,417	0	2,417	606	0	0	0	606	1,810	605	142	747
2044	1,814	0	0	1,814	0	1,814	436	0	0	0	436	1,377	486	103	589
2045	1,186	0	0	1,186	0	1,186	254	0	0	0	254	932	391	65	456
2046	726	0	0	726	0	726	127	0	0	0	127	600	298	39	337
2047	408	0	0	408	0	408	82	0	0	0	82	325	141	19	160
2048	226	0	0	226	0	226	44	0	0	0	44	182	79	9	88
2049	74	0	0	74	0	74	11	0	0	0	11	64	33	3	36
2050	11	0	0	11	0	11	1	0	0	0	1	10	9	0	9
Tot.	**88,129**	**0**	**0**	**88,129**	**0**	**88,129**	**15,264**	**0**	**0**	**0**	**15,264**	**72,866**	**23,749**	**5,437**	**29,186**
Disc	17,083	0	0	17,083	0	17,083	2,418	0	0	0	2,418	14,665	4,838	1,074	5,913

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	40	0	213	253	-253	-304	-291
2013	0	0	0	5	0	0	5	74	0	289	363	-358	-662	-598
2014	0	0	0	49	4	0	53	51	0	552	603	-550	-1,213	-1,029
2015	0	0	0	84	4	0	88	168	0	846	1,013	-925	-2,138	-1,686
2016	0	0	0	160	10	0	170	451	0	1,180	1,631	-1,461	-3,599	-2,630
2017	0	0	0	495	17	0	512	270	0	858	1,128	-616	-4,215	-2,992
2018	0	0	0	899	13	0	911	453	0	771	1,224	-312	-4,527	-3,159
2019	0	0	0	1,237	16	0	1,253	78	0	241	319	934	-3,593	-2,705
2020	0	0	0	1,642	13	0	1,655	201	0	234	435	1,220	-2,373	-2,167
2021	0	0	0	1,663	14	0	1,678	267	0	287	554	1,123	-1,250	-1,716
2022	0	0	0	1,574	15	3	1,587	283	0	309	591	995	-255	-1,353
2023	0	0	0	1,555	16	7	1,564	337	0	353	691	873	619	-1,064
2024	0	0	0	1,604	15	6	1,613	246	0	303	550	1,063	1,682	-743
2025	0	0	0	1,687	15	19	1,682	326	0	366	692	991	2,672	-472
2026	0	0	0	1,536	16	12	1,539	240	0	291	531	1,008	3,680	-221
2027	0	0	0	1,549	16	35	1,530	296	0	324	619	911	4,591	-14
2028	0	0	0	1,587	17	5	1,598	311	0	344	655	944	5,535	180
2029	0	0	0	1,640	16	36	1,620	317	0	358	676	944	6,479	356
2030	0	0	0	1,668	17	9	1,675	316	0	361	677	998	7,477	526
2031	0	0	0	1,681	17	20	1,678	300	0	352	653	1,026	8,503	685
2032	0	0	0	1,718	18	20	1,716	351	0	386	737	979	9,482	823
2033	0	0	0	1,690	19	23	1,686	312	0	360	672	1,014	10,496	952
2034	0	0	0	1,772	19	24	1,767	387	0	417	804	963	11,458	1,064
2035	0	0	0	1,757	21	21	1,757	385	0	419	805	953	12,411	1,165
2036	0	0	0	1,736	21	26	1,731	312	0	376	688	1,043	13,454	1,265
2037	0	0	0	1,842	23	20	1,844	439	0	462	901	943	14,397	1,347
2038	0	0	0	1,764	23	24	1,763	328	0	392	720	1,043	15,440	1,430
2039	0	0	0	1,768	24	24	1,768	317	0	385	703	1,065	16,505	1,507
2040	0	0	0	1,638	25	25	1,639	231	0	323	555	1,084	17,589	1,578
2041	0	0	0	1,529	15	25	1,519	216	0	309	525	994	18,582	1,637
2042	0	0	0	1,272	6	24	1,254	43	0	188	231	1,023	19,605	1,693
2043	0	0	0	1,064	6	29	1,041	11	0	143	154	886	20,492	1,736
2044	0	0	0	788	11	33	766	10	0	123	134	633	21,124	1,765
2045	0	0	0	476	2	28	450	1	0	93	94	355	21,479	1,779
2046	0	0	0	263	7	54	215	0	0	73	73	142	21,622	1,784
2047	0	0	0	166	0	17	149	0	0	42	42	107	21,728	1,788
2048	0	0	0	93	0	21	73	0	0	27	27	45	21,774	1,789
2049	0	0	0	28	0	12	16	0	0	12	12	4	21,778	1,789
2050	0	0	0	1	0	40	-39	0	0	3	3	-42	21,736	1,788
Tot.	**0**	**0**	**0**	**43,680**	**492**	**646**	**43,526**	**8,372**	**0**	**13,418**	**21,790**	**21,736**	**21,736**	**1,788**
Disc	0	0	0	8,753	109	66	8,795	2,239	0	4,768	7,007	1,788	1,788	1,788

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	62	0	39	139	107	0	0	0	0	0	0
2012	0	275	0	79	139	107	0	0	0	0	0	0
2013	5	563	0	153	139	107	0	0	5	0	0	5
2014	53	1,116	0	199	139	107	0	0	53	0	0	53
2015	88	1,961	0	314	139	107	0	0	88	0	0	88
2016	170	3,141	0	677	139	107	0	0	170	0	0	170
2017	512	3,999	0	777	139	107	279	0	233	0	0	512
2018	911	4,491	0	996	139	107	612	0	299	0	0	911
2019	1,253	4,120	0	776	139	107	999	0	233	0	21	1,253
2020	1,655	3,355	0	744	139	86	809	0	223	139	86	1,257
2021	1,678	2,833	0	788	0	0	672	0	236	0	0	908
2022	1,587	2,470	0	835	0	0	578	0	250	0	0	829
2023	1,564	2,245	0	921	0	0	517	0	276	0	0	793
2024	1,613	2,032	0	891	0	0	470	0	267	0	0	737
2025	1,682	1,928	0	950	0	0	436	0	285	0	0	721
2026	1,539	1,783	0	906	0	0	409	0	272	0	0	681
2027	1,530	1,697	0	930	0	0	384	0	279	0	0	662
2028	1,598	1,658	0	961	0	0	371	0	288	0	0	660
2029	1,620	1,645	0	990	0	0	366	0	297	0	0	663
2030	1,675	1,640	0	1,009	0	0	365	0	303	0	0	667
2031	1,678	1,628	0	1,007	0	0	363	0	302	0	0	665
2032	1,716	1,651	0	1,056	0	0	364	0	317	0	0	681
2033	1,686	1,647	0	1,051	0	0	366	0	315	0	0	682
2034	1,767	1,697	0	1,123	0	0	372	0	337	0	0	709
2035	1,757	1,744	0	1,172	0	0	384	0	351	0	0	735
2036	1,731	1,737	0	1,132	0	0	387	0	340	0	0	727
2037	1,844	1,812	0	1,232	0	0	395	0	369	0	0	765
2038	1,763	1,810	0	1,190	0	0	403	0	357	0	0	760
2039	1,768	1,792	0	1,150	0	0	400	0	345	0	0	745
2040	1,639	1,716	0	1,037	0	0	388	0	311	0	0	699
2041	1,519	1,636	0	942	0	0	370	0	283	0	0	653
2042	1,254	1,454	0	702	0	0	340	0	211	0	0	551
2043	1,041	1,257	0	503	0	0	296	0	151	0	0	447
2044	766	1,084	0	362	0	0	256	0	109	0	0	364
2045	450	921	0	255	0	0	219	0	76	0	0	295
2046	215	776	0	178	0	0	162	0	54	0	0	215
2047	149	656	0	125	0	0	111	0	37	0	0	149
2048	73	572	0	87	0	0	46	0	26	0	0	73
2049	16	537	0	61	0	0	0	0	16	0	0	16
2050	-39	540	0	46	0	0	0	0	0	0	0	0
Tot.	**43,526**	**540**	**0**	**46**	**0**	**0**	**12,888**	**0**	**8,365**	**139**	**107**	**21,500**
Disc	8,795						3,124	0	1,854	62	48	5,088

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Tax Rate %	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax Annual MM$	Net Cash Flow Before Income Tax Cum. MM$	Net Cash Flow Before Income Tax 10.0% Dcf MM$	Net Cash Flow After Income Tax Annual MM$	Net Cash Flow After Income Tax Cum. MM$	Net Cash Flow After Income Tax 10.0% Dcf MM$
2011	0	0	10.0	0	0	0	-52	-52	-51	-52	-52	-51
2012	0	0	10.0	0	0	0	-253	-304	-291	-253	-304	-291
2013	0	0	10.0	0	0	0	-358	-662	-598	-358	-662	-598
2014	0	0	10.0	0	0	0	-550	-1,213	-1,029	-550	-1,213	-1,029
2015	0	0	10.0	0	0	0	-925	-2,138	-1,686	-925	-2,138	-1,686
2016	0	0	10.0	0	0	0	-1,461	-3,599	-2,630	-1,461	-3,599	-2,630
2017	0	0	10.0	0	0	0	-616	-4,215	-2,992	-616	-4,215	-2,992
2018	0	0	10.0	0	0	0	-312	-4,527	-3,159	-312	-4,527	-3,159
2019	0	0	10.0	0	0	0	934	-3,593	-2,705	934	-3,593	-2,705
2020	398	60	10.0	40	0	100	1,220	-2,373	-2,167	1,121	-2,473	-2,211
2021	770	115	10.0	77	0	192	1,123	-1,250	-1,716	931	-1,542	-1,837
2022	758	114	10.0	76	0	189	995	-255	-1,353	806	-736	-1,543
2023	771	116	10.0	77	0	193	873	619	-1,064	681	-55	-1,318
2024	876	131	10.0	88	0	219	1,063	1,682	-743	844	789	-1,063
2025	961	144	10.0	96	0	240	991	2,672	-472	750	1,539	-858
2026	859	129	10.0	86	0	215	1,008	3,680	-221	793	2,332	-660
2027	868	130	10.0	87	0	217	911	4,591	-14	694	3,026	-503
2028	939	141	10.0	94	0	235	944	5,535	180	709	3,735	-357
2029	957	143	10.0	96	0	239	944	6,479	356	705	4,440	-225
2030	1,008	151	10.0	101	0	252	998	7,477	526	746	5,186	-98
2031	1,014	152	10.0	101	0	253	1,026	8,503	685	772	5,959	21
2032	1,035	155	10.0	104	0	259	979	9,482	823	720	6,679	122
2033	1,004	151	10.0	100	0	251	1,014	10,496	952	763	7,441	220
2034	1,058	159	10.0	106	0	264	963	11,458	1,064	698	8,140	301
2035	1,022	153	10.0	102	0	256	953	12,411	1,165	697	8,837	375
2036	1,005	151	10.0	100	0	251	1,043	13,454	1,265	792	9,629	451
2037	1,080	162	10.0	108	0	270	943	14,397	1,347	673	10,302	510
2038	1,003	150	10.0	100	0	251	1,043	15,440	1,430	792	11,094	572
2039	1,023	153	10.0	102	0	256	1,065	16,505	1,507	809	11,903	631
2040	939	141	10.0	94	0	235	1,084	17,589	1,578	849	12,752	686
2041	866	130	10.0	87	0	217	994	18,582	1,637	777	13,529	733
2042	703	105	10.0	70	0	176	1,023	19,605	1,693	847	14,376	779
2043	594	89	10.0	59	0	148	886	20,492	1,736	738	15,114	815
2044	402	60	10.0	40	0	100	633	21,124	1,765	532	15,647	839
2045	155	23	10.0	15	0	39	355	21,479	1,779	317	15,963	852
2046	0	0	10.0	0	0	0	142	21,622	1,784	142	16,105	857
2047	0	0	10.0	0	0	0	107	21,728	1,788	107	16,212	861
2048	0	0	10.0	0	0	0	45	21,774	1,789	45	16,258	862
2049	0	0	10.0	0	0	0	4	21,778	1,789	4	16,261	862
2050	-39	0	10.0	0	0	0	-42	21,736	1,788	-42	16,219	861
Tot.	**22,026**	**3,310**		**2,207**	**0**	**5,516**	**21,736**	**21,736**	**1,788**	**16,219**	**16,219**	**861**
Disc	3,708	556		371	0	927	1,788	1,788	1,788	861	861	861

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011 Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr) Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	1,006,248	0	1,006,248	838,447	1.000	1,006,248	100	39.1	999.9	19.6
Total: Oil Eq.	Mboe	1,006,248	0	1,006,248	838,447	1.000	1,006,248	100	39.1	999.9	19.6

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72,866	100	14,665	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72,866	100	14,665	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	17.3195	0.0	43,680	43,526	21,790	21,736	21.60	38,009	21,790	16,219	16.12
Non-crown Royalty	0.0000	0.0000	5.0	18,003	18,026	11,265	6,761	6.72	15,915	11,265	4,650	4.62
Mineral Tax	0.0000	0.0000	8.0	11,479	11,520	8,322	3,198	3.18	10,250	8,322	1,929	1.92
			10.0	8,753	8,795	7,007	1,788	1.78	7,868	7,007	861	0.86
			12.0	6,810	6,851	6,017	835	0.83	6,162	6,017	145	0.14
			15.0	4,829	4,866	4,931	-65	-0.06	4,411	4,931	-520	-0.52
			20.0	2,923	2,953	3,751	-798	-0.79	2,709	3,751	-1,042	-1.04

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:17

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **Contingent Resources**
Development Class: **Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	3	705	257	241	58.76
2014	4	807	295	275	61.63
2015	4	773	282	263	61.63
2016	87	16,346	5,966	5,561	62.87
2017	184	47,890	17,480	16,263	64.10
2018	255	76,758	28,017	25,996	66.36
2019	425	126,081	46,020	42,580	67.81
2020	503	167,849	61,265	56,432	70.06
2021	644	192,676	70,327	64,861	71.61
2022	807	209,339	76,409	70,049	73.17
2023	971	227,452	83,020	75,059	74.76
2024	1,044	230,390	84,092	71,559	76.28
2025	1,044	233,132	85,093	68,760	77.79
2026	1,008	229,761	83,863	68,458	79.34
2027	1,069	235,771	86,056	68,563	80.96
2028	1,062	232,845	84,988	68,402	82.56
2029	1,043	229,887	83,909	67,090	84.21
2030	995	228,028	83,230	67,341	85.89
2031	1,035	233,275	85,146	68,138	87.61
2032	1,048	233,105	85,083	68,232	89.37
2033	1,042	228,274	83,320	67,106	91.16
2034	1,057	223,327	81,514	66,532	92.97
2035	1,083	223,037	81,408	66,273	94.84
2036	1,092	221,193	80,736	65,103	96.74
2037	1,087	217,874	79,524	64,543	98.69
2038	1,060	211,220	77,095	63,326	100.66
2039	1,065	211,045	77,032	62,838	102.69
2040	1,096	212,819	77,679	62,936	104.76
2041	1,103	206,813	75,487	61,468	106.86
2042	1,085	198,004	72,272	57,852	109.01
2043	1,025	184,953	67,508	54,965	111.22
2044	1,009	173,189	63,214	50,749	113.49
2045	982	161,407	58,914	47,325	115.82
2046	942	147,941	53,998	43,396	118.19
2047	862	132,028	48,190	39,050	120.61
2048	787	119,845	43,743	33,009	123.08
2049	635	94,394	34,454	25,939	125.58
2050	500	65,600	23,944	18,538	128.09
2051	396	41,653	15,203	12,272	130.65
2052	314	24,115	8,802	6,363	133.23
2053	187	4,524	1,651	1,186	135.83
2054	65	-9,334	-3,407	-2,463	138.71
2055	-44	-17,268	-6,303	-4,608	141.48
2056	-86	-17,496	-6,386	-5,128	144.31
2057	-86	-15,852	-5,786	-4,669	147.20
2058	-83	-14,622	-5,337	-4,247	150.14
2059	-73	-12,759	-4,657	-3,682	153.14
2060	-64	-10,562	-3,855	-2,948	156.21
Tot.			**2,320,753**	**1,917,145**	**92.00**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	15	0	0	15	0	15	1	0	0	0	1	14	12	1	14
2014	18	0	0	18	0	18	1	0	0	0	1	17	37	1	39
2015	17	0	0	17	0	17	1	0	0	0	1	16	38	1	39
2016	375	0	0	375	0	375	25	0	0	0	25	350	229	40	269
2017	1,120	0	0	1,120	0	1,120	78	0	0	0	78	1,042	437	87	524
2018	1,859	0	0	1,859	0	1,859	134	0	0	0	134	1,725	664	136	800
2019	3,121	0	0	3,121	0	3,121	233	0	0	0	233	2,887	1,040	227	1,267
2020	4,292	0	0	4,292	0	4,292	339	0	0	0	339	3,953	1,198	281	1,479
2021	5,036	0	0	5,036	0	5,036	391	0	0	0	391	4,645	1,317	317	1,634
2022	5,591	0	0	5,591	0	5,591	465	0	0	0	465	5,125	1,395	339	1,735
2023	6,207	0	0	6,207	0	6,207	594	0	0	0	594	5,612	1,527	378	1,904
2024	6,415	0	0	6,415	0	6,415	956	0	0	0	956	5,458	1,518	381	1,900
2025	6,620	0	0	6,620	0	6,620	1,272	0	0	0	1,272	5,348	1,555	392	1,947
2026	6,654	0	0	6,654	0	6,654	1,223	0	0	0	1,223	5,431	1,552	392	1,944
2027	6,967	0	0	6,967	0	6,967	1,417	0	0	0	1,417	5,550	1,628	414	2,042
2028	7,017	0	0	7,017	0	7,017	1,370	0	0	0	1,370	5,647	1,669	423	2,092
2029	7,066	0	0	7,066	0	7,066	1,417	0	0	0	1,417	5,649	1,700	432	2,131
2030	7,149	0	0	7,149	0	7,149	1,365	0	0	0	1,365	5,783	1,720	435	2,156
2031	7,460	0	0	7,460	0	7,460	1,491	0	0	0	1,491	5,969	1,768	448	2,216
2032	7,604	0	0	7,604	0	7,604	1,507	0	0	0	1,507	6,097	1,806	459	2,265
2033	7,595	0	0	7,595	0	7,595	1,479	0	0	0	1,479	6,116	1,827	462	2,289
2034	7,579	0	0	7,579	0	7,579	1,394	0	0	0	1,394	6,185	1,836	462	2,298
2035	7,721	0	0	7,721	0	7,721	1,436	0	0	0	1,436	6,284	1,901	477	2,378
2036	7,810	0	0	7,810	0	7,810	1,513	0	0	0	1,513	6,297	1,934	485	2,419
2037	7,848	0	0	7,848	0	7,848	1,479	0	0	0	1,479	6,369	1,952	487	2,439
2038	7,761	0	0	7,761	0	7,761	1,387	0	0	0	1,387	6,374	1,968	487	2,455
2039	7,910	0	0	7,910	0	7,910	1,458	0	0	0	1,458	6,452	2,002	496	2,497
2040	8,137	0	0	8,137	0	8,137	1,545	0	0	0	1,545	6,593	2,035	505	2,540
2041	8,066	0	0	8,066	0	8,066	1,498	0	0	0	1,498	6,568	2,028	500	2,527
2042	7,878	0	0	7,878	0	7,878	1,572	0	0	0	1,572	6,306	1,998	493	2,491
2043	7,508	0	0	7,508	0	7,508	1,394	0	0	0	1,394	6,114	1,815	460	2,275
2044	7,174	0	0	7,174	0	7,174	1,414	0	0	0	1,414	5,760	1,807	445	2,252
2045	6,823	0	0	6,823	0	6,823	1,342	0	0	0	1,342	5,481	1,694	411	2,105
2046	6,382	0	0	6,382	0	6,382	1,253	0	0	0	1,253	5,129	1,567	374	1,940
2047	5,812	0	0	5,812	0	5,812	1,103	0	0	0	1,103	4,710	1,430	340	1,770
2048	5,384	0	0	5,384	0	5,384	1,322	0	0	0	1,322	4,063	1,284	307	1,592
2049	4,327	0	0	4,327	0	4,327	1,069	0	0	0	1,069	3,257	1,001	230	1,231
2050	3,067	0	0	3,067	0	3,067	693	0	0	0	693	2,374	789	155	944
2051	1,986	0	0	1,986	0	1,986	383	0	0	0	383	1,603	646	92	738
2052	1,173	0	0	1,173	0	1,173	325	0	0	0	325	848	331	46	377
2053	224	0	0	224	0	224	63	0	0	0	63	161	132	-1	131
2054	-473	0	0	-473	0	-473	-131	0	0	0	-131	-342	-38	-34	-72
2055	-892	0	0	-892	0	-892	-240	0	0	0	-240	-652	-153	-49	-202
2056	-922	0	0	-922	0	-922	-182	0	0	0	-182	-740	-208	-47	-256
2057	-852	0	0	-852	0	-852	-164	0	0	0	-164	-687	-223	-48	-271
2058	-801	0	0	-801	0	-801	-164	0	0	0	-164	-638	-228	-45	-272
2059	-713	0	0	-713	0	-713	-149	0	0	0	-149	-564	-183	-40	-223
2060	-602	0	0	-602	0	-602	-142	0	0	0	-142	-460	-169	-36	-205
Tot.	**213,514**	**0**	**0**	**213,514**	**0**	**213,514**	**38,234**	**0**	**0**	**0**	**38,234**	**175,280**	**53,584**	**12,998**	**66,582**
Disc	33,147	0	0	33,147	0	33,147	5,035	0	0	0	5,035	28,112	8,632	2,072	10,704

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	26	0	84	110	-110	-110	-104
2013	0	0	0	1	0	0	1	15	0	130	146	-145	-255	-229
2014	0	0	0	-22	0	0	-22	17	0	404	421	-443	-698	-575
2015	0	0	0	-23	0	0	-23	395	0	1,116	1,511	-1,534	-2,232	-1,665
2016	0	0	0	80	0	0	80	404	0	1,478	1,881	-1,801	-4,033	-2,829
2017	0	0	0	518	1	0	519	340	0	1,498	1,838	-1,319	-5,351	-3,603
2018	0	0	0	925	-4	0	922	792	0	1,785	2,577	-1,655	-7,007	-4,487
2019	0	0	0	1,621	0	0	1,621	370	0	1,363	1,733	-112	-7,119	-4,541
2020	0	0	0	2,474	7	0	2,481	475	0	1,058	1,533	949	-6,170	-4,123
2021	0	0	0	3,011	1	0	3,012	584	0	1,006	1,590	1,423	-4,748	-3,552
2022	0	0	0	3,391	1	0	3,392	622	0	861	1,483	1,909	-2,838	-2,856
2023	0	0	0	3,708	2	19	3,690	633	0	707	1,340	2,350	-488	-2,077
2024	0	0	0	3,559	-5	0	3,554	602	0	660	1,262	2,293	1,804	-1,386
2025	0	0	0	3,401	-1	46	3,354	517	0	612	1,128	2,225	4,030	-776
2026	0	0	0	3,487	-3	25	3,459	750	0	764	1,514	1,945	5,975	-291
2027	0	0	0	3,508	-6	32	3,470	655	0	715	1,371	2,099	8,074	184
2028	0	0	0	3,554	-3	46	3,505	719	0	763	1,483	2,023	10,097	600
2029	0	0	0	3,517	-4	55	3,458	701	0	754	1,454	2,004	12,101	975
2030	0	0	0	3,628	-3	32	3,593	740	0	783	1,523	2,070	14,170	1,327
2031	0	0	0	3,753	-2	43	3,708	720	0	780	1,500	2,207	16,378	1,669
2032	0	0	0	3,831	-5	46	3,780	752	0	807	1,559	2,221	18,598	1,981
2033	0	0	0	3,826	-4	74	3,749	776	0	828	1,604	2,145	20,743	2,255
2034	0	0	0	3,886	-3	70	3,814	887	0	909	1,795	2,019	22,762	2,490
2035	0	0	0	3,907	-3	45	3,859	851	0	901	1,752	2,107	24,868	2,712
2036	0	0	0	3,878	-2	50	3,827	760	0	849	1,609	2,218	27,086	2,925
2037	0	0	0	3,930	-2	62	3,865	819	0	893	1,711	2,154	29,240	3,113
2038	0	0	0	3,919	0	70	3,848	894	0	945	1,839	2,010	31,250	3,273
2039	0	0	0	3,955	-1	60	3,893	847	0	920	1,768	2,126	33,375	3,426
2040	0	0	0	4,053	-3	58	3,992	821	0	915	1,736	2,256	35,631	3,574
2041	0	0	0	4,041	-4	59	3,979	852	0	941	1,794	2,185	37,816	3,704
2042	0	0	0	3,816	-4	68	3,744	676	0	822	1,498	2,245	40,061	3,826
2043	0	0	0	3,839	10	66	3,782	833	0	908	1,741	2,042	42,103	3,927
2044	0	0	0	3,508	23	85	3,446	619	0	768	1,386	2,060	44,163	4,019
2045	0	0	0	3,376	23	79	3,320	609	0	754	1,363	1,957	46,119	4,099
2046	0	0	0	3,189	24	67	3,146	584	0	724	1,308	1,838	47,957	4,167
2047	0	0	0	2,940	9	79	2,870	585	0	702	1,286	1,584	49,541	4,220
2048	0	0	0	2,471	10	74	2,407	124	0	365	488	1,918	51,460	4,279
2049	0	0	0	2,026	6	73	1,959	113	0	309	422	1,537	52,997	4,322
2050	0	0	0	1,431	8	57	1,382	120	0	272	392	990	53,987	4,347
2051	0	0	0	865	8	43	830	77	0	213	290	540	54,527	4,359
2052	0	0	0	471	-8	48	415	-72	0	56	-17	431	54,958	4,368
2053	0	0	0	30	-9	53	-32	-73	0	12	-61	29	54,987	4,369
2054	0	0	0	-270	-9	47	-326	-55	0	-19	-74	-252	54,735	4,364
2055	0	0	0	-450	-9	265	-724	-37	0	-45	-81	-643	54,092	4,354
2056	0	0	0	-484	-10	-9	-486	-104	0	-108	-212	-274	53,818	4,350
2057	0	0	0	-416	-12	-9	-420	-77	0	-92	-169	-250	53,568	4,347
2058	0	0	0	-365	-14	-10	-369	-48	0	-72	-120	-249	53,319	4,344
2059	0	0	0	-340	0	-7	-333	-49	0	-67	-116	-217	53,102	4,342
2060	0	0	0	-255	0	-56	-199	-6	0	-36	-42	-157	52,945	4,340
Tot.	**0**	**0**	**0**	**108,698**	**2**	**1,906**	**106,794**	**22,156**	**0**	**31,692**	**53,849**	**52,945**	**52,945**	**4,340**
Disc	0	0	0	17,408	-2	153	17,253	4,404	0	8,509	12,913	4,340	4,340	4,340

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	84	0	26	0	0	0	0	0	0	0	0
2013	1	215	0	41	0	0	0	0	1	0	0	1
2014	-22	619	0	57	0	0	-28	0	7	0	0	-22
2015	-23	1,764	0	445	0	0	-49	0	26	0	0	-23
2016	80	3,290	0	823	0	0	-158	0	238	0	0	80
2017	519	4,946	0	925	0	0	266	0	277	0	-24	519
2018	922	6,465	0	1,440	0	24	619	0	432	-63	-66	922
2019	1,621	7,208	0	1,378	63	90	1,369	0	413	-64	0	1,718
2020	2,481	6,897	0	1,440	127	90	1,592	0	432	127	90	2,241
2021	3,012	6,311	0	1,591	0	0	1,452	0	477	0	0	1,929
2022	3,392	5,720	0	1,736	0	0	1,322	0	521	0	0	1,843
2023	3,690	5,105	0	1,849	0	0	1,188	0	555	0	0	1,742
2024	3,554	4,577	0	1,896	0	0	1,062	0	569	0	0	1,630
2025	3,354	4,127	0	1,844	0	0	955	0	553	0	0	1,508
2026	3,459	3,936	0	2,041	0	0	888	0	612	0	0	1,501
2027	3,470	3,763	0	2,084	0	0	851	0	625	0	0	1,476
2028	3,505	3,675	0	2,178	0	0	823	0	653	0	0	1,477
2029	3,458	3,605	0	2,225	0	0	807	0	668	0	0	1,475
2030	3,593	3,581	0	2,298	0	0	797	0	689	0	0	1,487
2031	3,708	3,564	0	2,329	0	0	793	0	699	0	0	1,492
2032	3,780	3,578	0	2,383	0	0	793	0	715	0	0	1,508
2033	3,749	3,612	0	2,444	0	0	800	0	733	0	0	1,533
2034	3,814	3,722	0	2,597	0	0	817	0	779	0	0	1,596
2035	3,859	3,806	0	2,669	0	0	839	0	801	0	0	1,640
2036	3,827	3,816	0	2,629	0	0	848	0	789	0	0	1,637
2037	3,865	3,861	0	2,659	0	0	854	0	798	0	0	1,651
2038	3,848	3,952	0	2,755	0	0	870	0	827	0	0	1,696
2039	3,893	4,002	0	2,776	0	0	885	0	833	0	0	1,718
2040	3,992	4,032	0	2,764	0	0	894	0	829	0	0	1,723
2041	3,979	4,080	0	2,787	0	0	902	0	836	0	0	1,738
2042	3,744	4,000	0	2,627	0	0	897	0	788	0	0	1,685
2043	3,782	4,010	0	2,672	0	0	889	0	802	0	0	1,691
2044	3,446	3,889	0	2,489	0	0	876	0	747	0	0	1,623
2045	3,320	3,766	0	2,352	0	0	847	0	706	0	0	1,553
2046	3,146	3,643	0	2,231	0	0	820	0	669	0	0	1,489
2047	2,870	3,524	0	2,146	0	0	793	0	644	0	0	1,437
2048	2,407	3,095	0	1,626	0	0	728	0	488	0	0	1,216
2049	1,959	2,676	0	1,251	0	0	630	0	375	0	0	1,006
2050	1,382	2,318	0	995	0	0	545	0	299	0	0	844
2051	830	1,985	0	774	0	0	470	0	232	0	0	702
2052	415	1,571	0	470	0	0	386	0	141	0	0	527
2053	-32	1,198	0	256	0	0	208	0	77	0	0	285
2054	-326	971	0	124	0	0	-45	0	37	0	0	-8
2055	-724	971	0	50	0	0	-95	0	-73	0	0	-167
2056	-486	-425	0	-273	0	0	-93	0	-82	0	0	-175
2057	-420	-425	0	-268	0	0	-95	0	-80	0	0	-175
2058	-369	-402	0	-235	0	0	-92	0	-71	0	0	-162
2059	-333	-378	0	-214	0	0	-86	0	-64	0	0	-150
2060	-199	-328	0	-156	0	0	-78	0	-47	0	0	-124
Tot.	**106,794**	**-328**	**0**	**-156**	**0**	**0**	**30,560**	**0**	**21,974**	**0**	**0**	**52,534**
Disc	17,253						5,819	0	3,604	-9	-10	9,404

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Tax Rate %	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	10.0	0	0	0	0	0	0	0	0	0
2012	0	0	10.0	0	0	0	-110	-110	-104	-110	-110	-104
2013	0	0	10.0	0	0	0	-145	-255	-229	-145	-255	-229
2014	0	0	10.0	0	0	0	-443	-698	-575	-443	-698	-575
2015	0	0	10.0	0	0	0	-1,534	-2,232	-1,665	-1,534	-2,232	-1,665
2016	0	0	10.0	0	0	0	-1,801	-4,033	-2,829	-1,801	-4,033	-2,829
2017	0	0	10.0	0	0	0	-1,319	-5,351	-3,603	-1,319	-5,351	-3,603
2018	0	0	10.0	0	0	0	-1,655	-7,007	-4,487	-1,655	-7,007	-4,487
2019	-98	-15	10.0	-10	0	-24	-112	-7,119	-4,541	-88	-7,094	-4,530
2020	240	36	10.0	24	0	60	949	-6,170	-4,123	888	-6,206	-4,138
2021	1,083	162	10.0	108	0	271	1,423	-4,748	-3,552	1,152	-5,054	-3,675
2022	1,549	232	10.0	155	0	387	1,909	-2,838	-2,856	1,522	-3,532	-3,120
2023	1,948	292	10.0	195	0	487	2,350	-488	-2,077	1,863	-1,669	-2,503
2024	1,924	289	10.0	192	0	481	2,293	1,804	-1,386	1,812	143	-1,957
2025	1,845	277	10.0	185	0	461	2,225	4,030	-776	1,764	1,907	-1,473
2026	1,959	294	10.0	196	0	490	1,945	5,975	-291	1,455	3,362	-1,111
2027	1,994	299	10.0	199	0	498	2,099	8,074	184	1,601	4,963	-748
2028	2,029	304	10.0	203	0	507	2,023	10,097	600	1,516	6,479	-436
2029	1,984	298	10.0	198	0	496	2,004	12,101	975	1,508	7,986	-154
2030	2,106	316	10.0	211	0	527	2,070	14,170	1,327	1,543	9,530	108
2031	2,216	332	10.0	222	0	554	2,207	16,378	1,669	1,653	11,183	364
2032	2,272	341	10.0	227	0	568	2,221	18,598	1,981	1,653	12,836	597
2033	2,216	332	10.0	222	0	554	2,145	20,743	2,255	1,591	14,426	800
2034	2,218	333	10.0	222	0	555	2,019	22,762	2,490	1,464	15,890	970
2035	2,220	333	10.0	222	0	555	2,107	24,868	2,712	1,552	17,442	1,134
2036	2,190	329	10.0	219	0	548	2,218	27,086	2,925	1,670	19,113	1,294
2037	2,214	332	10.0	221	0	554	2,154	29,240	3,113	1,600	20,713	1,434
2038	2,152	323	10.0	215	0	538	2,010	31,250	3,273	1,472	22,185	1,551
2039	2,175	326	10.0	217	0	544	2,126	33,375	3,426	1,582	23,767	1,665
2040	2,269	340	10.0	227	0	567	2,256	35,631	3,574	1,689	25,455	1,776
2041	2,240	336	10.0	224	0	560	2,185	37,816	3,704	1,625	27,080	1,873
2042	2,058	309	10.0	206	0	515	2,245	40,061	3,826	1,731	28,811	1,966
2043	2,092	314	10.0	209	0	523	2,042	42,103	3,927	1,519	30,329	2,041
2044	1,823	273	10.0	182	0	456	2,060	44,163	4,019	1,604	31,933	2,113
2045	1,767	265	10.0	177	0	442	1,957	46,119	4,099	1,515	33,448	2,175
2046	1,656	248	10.0	166	0	414	1,838	47,957	4,167	1,424	34,872	2,228
2047	1,433	215	10.0	143	0	358	1,584	49,541	4,220	1,226	36,098	2,269
2048	1,191	179	10.0	119	0	298	1,918	51,460	4,279	1,621	37,718	2,318
2049	953	143	10.0	95	0	238	1,537	52,997	4,322	1,299	39,017	2,355
2050	538	81	10.0	54	0	135	990	53,987	4,347	856	39,873	2,376
2051	128	19	10.0	13	0	32	540	54,527	4,359	508	40,381	2,388
2052	-112	-17	10.0	-11	0	-28	431	54,958	4,368	459	40,840	2,397
2053	-317	-48	10.0	-32	0	-79	29	54,987	4,369	108	40,948	2,400
2054	-317	-48	10.0	-32	0	-79	-252	54,735	4,364	-172	40,776	2,397
2055	-557	-48	10.0	-32	0	-79	-643	54,092	4,354	-564	40,212	2,388
2056	-311	-47	10.0	-31	0	-78	-274	53,818	4,350	-196	40,016	2,385
2057	-244	-37	10.0	-24	0	-61	-250	53,568	4,347	-189	39,827	2,382
2058	-207	-31	10.0	-21	0	-52	-249	53,319	4,344	-197	39,629	2,380
2059	-183	-27	10.0	-18	0	-46	-217	53,102	4,342	-171	39,458	2,378
2060	-75	-11	10.0	-8	0	-19	-157	52,945	4,340	-138	39,320	2,377
Tot.	**54,260**	**8,175**		**5,450**	**0**	**13,625**	**52,945**	**52,945**	**4,340**	**39,320**	**39,320**	**2,377**
Disc	7,849	1,178		785	0	1,963	4,340	4,340	4,340	2,377	2,377	2,377

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	2,320,753	0	2,320,753	1,917,145	1.000	2,320,753	100	49.1	999.9	22.1
Total: Oil Eq.	Mboe	2,320,753	0	2,320,753	1,917,145	1.000	2,320,753	100	49.1	999.9	22.1

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175,280	100	28,112	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175,280	100	28,112	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	17.9070	0.0	108,698	106,794	53,849	52,945	22.81	93,169	53,849	39,320	16.94
Non-crown Royalty	0.0000	0.0000	5.0	39,520	39,038	23,573	15,465	6.66	34,259	23,573	10,686	4.60
Mineral Tax	0.0000	0.0000	8.0	23,681	23,444	16,068	7,376	3.18	20,689	16,068	4,622	1.99
			10.0	17,408	17,253	12,913	4,340	1.87	15,290	12,913	2,377	1.02
			12.0	13,098	12,995	10,631	2,364	1.02	11,567	10,631	936	0.40
			15.0	8,874	8,816	8,235	580	0.25	7,899	8,235	-336	-0.14
			20.0	5,022	4,997	5,778	-782	-0.34	4,526	5,778	-1,252	-0.54

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:20

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties with Total Tax Pools**

Reserve Class: **Contingent Resources**
Development Class: **High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production			
Year	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0.00
2012	0	0	0	0	0.00
2013	2	960	350	329	58.76
2014	5	2,200	803	748	61.63
2015	5	2,600	949	885	61.63
2016	214	56,777	20,724	19,317	62.80
2017	369	139,873	51,054	47,500	63.82
2018	493	200,874	73,319	68,030	66.02
2019	763	289,081	105,515	97,703	67.51
2020	1,041	382,957	139,779	129,296	69.74
2021	1,373	473,212	172,722	159,161	71.25
2022	1,665	541,589	197,680	179,831	72.78
2023	1,999	600,277	219,101	193,528	74.34
2024	2,162	637,600	232,724	197,091	75.85
2025	2,398	679,436	247,994	205,426	77.37
2026	2,572	693,136	252,995	204,938	78.91
2027	2,626	692,277	252,681	207,828	80.48
2028	2,620	691,151	252,270	202,894	82.10
2029	2,875	706,359	257,821	205,344	83.75
2030	2,711	689,066	251,509	200,850	85.42
2031	2,684	687,803	251,048	200,211	87.13
2032	2,679	687,074	250,782	199,816	88.88
2033	2,698	686,122	250,435	199,595	90.66
2034	2,739	683,998	249,659	200,508	92.47
2035	2,797	677,230	247,189	197,493	94.32
2036	2,744	661,304	241,376	195,796	96.19
2037	2,730	657,142	239,857	192,669	98.12
2038	2,675	648,983	236,879	189,146	100.08
2039	2,647	628,752	229,494	187,095	102.10
2040	2,710	616,025	224,849	184,479	104.14
2041	2,737	607,216	221,634	180,017	106.22
2042	2,693	583,296	212,903	175,245	108.35
2043	2,708	567,643	207,190	169,251	110.54
2044	2,608	541,983	197,824	162,320	112.76
2045	2,544	522,220	190,610	156,874	115.02
2046	2,475	496,929	181,379	150,039	117.32
2047	2,402	481,014	175,570	143,922	119.67
2048	2,320	463,681	169,244	139,235	122.05
2049	2,211	448,977	163,877	135,076	124.47
2050	2,078	434,889	158,735	130,287	126.93
2051	1,959	421,203	153,739	124,710	129.44
2052	1,856	400,834	146,305	112,388	132.00
2053	1,551	332,012	121,184	92,378	134.62
2054	1,280	240,518	87,789	67,192	137.35
2055	1,012	160,448	58,564	44,841	140.15
2056	711	97,534	35,600	26,945	143.00
2057	425	50,595	18,467	14,075	145.92
2058	163	17,714	6,465	5,055	149.06
2059	23	2,262	826	616	153.14
2060	-8	-574	-210	-180	156.21
Tot.			**7,659,253**	**6,297,793**	**96.98**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	21	0	0	21	0	21	1	0	0	0	1	19	17	2	19
2014	49	0	0	49	0	49	3	0	0	0	3	46	54	4	58
2015	58	0	0	58	0	58	4	0	0	0	4	55	53	4	57
2016	1,301	0	0	1,301	0	1,301	88	0	0	0	88	1,213	679	126	805
2017	3,258	0	0	3,258	0	3,258	227	0	0	0	227	3,031	1,159	250	1,408
2018	4,840	0	0	4,840	0	4,840	349	0	0	0	349	4,491	1,555	355	1,910
2019	7,124	0	0	7,124	0	7,124	527	0	0	0	527	6,596	2,244	530	2,774
2020	9,748	0	0	9,748	0	9,748	731	0	0	0	731	9,017	2,820	702	3,522
2021	12,306	0	0	12,306	0	12,306	966	0	0	0	966	11,340	3,404	855	4,259
2022	14,387	0	0	14,387	0	14,387	1,298	0	0	0	1,298	13,089	3,759	957	4,716
2023	16,289	0	0	16,289	0	16,289	1,899	0	0	0	1,899	14,389	4,385	1,114	5,499
2024	17,651	0	0	17,651	0	17,651	2,705	0	0	0	2,705	14,946	4,470	1,190	5,660
2025	19,187	0	0	19,187	0	19,187	3,300	0	0	0	3,300	15,887	4,813	1,282	6,095
2026	19,964	0	0	19,964	0	19,964	3,796	0	0	0	3,796	16,168	4,874	1,298	6,173
2027	20,336	0	0	20,336	0	20,336	3,613	0	0	0	3,613	16,722	4,959	1,326	6,285
2028	20,712	0	0	20,712	0	20,712	4,057	0	0	0	4,057	16,656	5,085	1,369	6,454
2029	21,593	0	0	21,593	0	21,593	4,399	0	0	0	4,399	17,195	5,248	1,403	6,651
2030	21,484	0	0	21,484	0	21,484	4,330	0	0	0	4,330	17,154	5,316	1,422	6,738
2031	21,874	0	0	21,874	0	21,874	4,433	0	0	0	4,433	17,441	5,419	1,451	6,871
2032	22,289	0	0	22,289	0	22,289	4,534	0	0	0	4,534	17,755	5,523	1,478	7,002
2033	22,704	0	0	22,704	0	22,704	4,612	0	0	0	4,612	18,091	5,613	1,500	7,113
2034	23,087	0	0	23,087	0	23,087	4,549	0	0	0	4,549	18,538	5,712	1,526	7,238
2035	23,316	0	0	23,316	0	23,316	4,692	0	0	0	4,692	18,623	5,803	1,551	7,355
2036	23,219	0	0	23,219	0	23,219	4,388	0	0	0	4,388	18,831	5,840	1,553	7,393
2037	23,535	0	0	23,535	0	23,535	4,635	0	0	0	4,635	18,900	6,012	1,602	7,614
2038	23,707	0	0	23,707	0	23,707	4,780	0	0	0	4,780	18,928	6,072	1,616	7,688
2039	23,431	0	0	23,431	0	23,431	4,334	0	0	0	4,334	19,097	6,088	1,607	7,695
2040	23,417	0	0	23,417	0	23,417	4,207	0	0	0	4,207	19,209	6,269	1,655	7,924
2041	23,543	0	0	23,543	0	23,543	4,425	0	0	0	4,425	19,118	6,383	1,679	8,062
2042	23,067	0	0	23,067	0	23,067	4,081	0	0	0	4,081	18,986	6,316	1,647	7,963
2043	22,902	0	0	22,902	0	22,902	4,198	0	0	0	4,198	18,704	6,281	1,638	7,919
2044	22,307	0	0	22,307	0	22,307	4,007	0	0	0	4,007	18,300	6,116	1,587	7,703
2045	21,923	0	0	21,923	0	21,923	3,884	0	0	0	3,884	18,039	6,036	1,566	7,602
2046	21,279	0	0	21,279	0	21,279	3,680	0	0	0	3,680	17,599	5,875	1,524	7,400
2047	21,010	0	0	21,010	0	21,010	3,792	0	0	0	3,792	17,218	5,701	1,497	7,198
2048	20,656	0	0	20,656	0	20,656	3,667	0	0	0	3,667	16,989	5,632	1,484	7,115
2049	20,398	0	0	20,398	0	20,398	3,589	0	0	0	3,589	16,809	5,566	1,478	7,044
2050	20,149	0	0	20,149	0	20,149	3,616	0	0	0	3,616	16,532	5,537	1,472	7,009
2051	19,900	0	0	19,900	0	19,900	3,763	0	0	0	3,763	16,137	5,454	1,454	6,908
2052	19,312	0	0	19,312	0	19,312	4,479	0	0	0	4,479	14,833	5,308	1,388	6,696
2053	16,314	0	0	16,314	0	16,314	3,879	0	0	0	3,879	12,435	4,377	1,087	5,464
2054	12,058	0	0	12,058	0	12,058	2,831	0	0	0	2,831	9,227	3,322	761	4,082
2055	8,208	0	0	8,208	0	8,208	1,924	0	0	0	1,924	6,284	2,285	477	2,762
2056	5,091	0	0	5,091	0	5,091	1,239	0	0	0	1,239	3,852	1,373	255	1,627
2057	2,695	0	0	2,695	0	2,695	641	0	0	0	641	2,053	749	111	860
2058	964	0	0	964	0	964	211	0	0	0	211	753	307	35	343
2059	126	0	0	126	0	126	32	0	0	0	32	94	35	3	38
2060	-33	0	0	-33	0	-33	-5	0	0	0	-5	-28	-16	-1	-17
Tot.	**742,756**	**0**	**0**	**742,756**	**0**	**742,756**	**135,393**	**0**	**0**	**0**	**135,393**	**607,363**	**195,882**	**50,869**	**246,752**
Disc	95,361	0	0	95,361	0	95,361	15,021	0	0	0	15,021	80,340	25,406	6,526	31,932

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	34	0	173	207	-207	-207	-196
2013	0	0	0	0	0	0	0	38	0	445	483	-482	-689	-611
2014	0	0	0	-12	-4	0	-16	31	0	1,377	1,408	-1,424	-2,113	-1,724
2015	0	0	0	-2	0	0	-2	1,004	0	2,918	3,922	-3,924	-6,038	-4,513
2016	0	0	0	408	0	0	408	729	0	2,879	3,608	-3,200	-9,238	-6,580
2017	0	0	0	1,623	3	0	1,626	624	0	2,874	3,499	-1,873	-11,111	-7,680
2018	0	0	0	2,581	-1	0	2,580	1,307	0	3,545	4,852	-2,272	-13,383	-8,894
2019	0	0	0	3,822	-8	0	3,814	1,382	0	3,693	5,075	-1,261	-14,644	-9,506
2020	0	0	0	5,495	-2	1	5,493	1,510	0	3,531	5,041	451	-14,193	-9,306
2021	0	0	0	7,081	-9	8	7,064	1,342	0	3,173	4,515	2,550	-11,643	-8,284
2022	0	0	0	8,373	0	0	8,373	1,864	0	2,901	4,765	3,608	-8,035	-6,968
2023	0	0	0	8,890	9	36	8,863	1,616	0	2,264	3,880	4,983	-3,053	-5,316
2024	0	0	0	9,286	-3	33	9,250	1,854	0	2,245	4,099	5,151	2,098	-3,764
2025	0	0	0	9,792	-6	17	9,769	1,604	0	1,836	3,439	6,329	8,427	-2,029
2026	0	0	0	9,995	-8	67	9,920	1,505	0	1,706	3,212	6,709	15,136	-358
2027	0	0	0	10,437	-9	100	10,328	2,237	0	2,220	4,456	5,872	21,008	971
2028	0	0	0	10,201	-13	27	10,161	1,825	0	1,954	3,779	6,382	27,390	2,285
2029	0	0	0	10,544	-14	145	10,385	1,867	0	2,045	3,912	6,474	33,864	3,497
2030	0	0	0	10,416	-12	88	10,317	1,879	0	2,042	3,922	6,395	40,259	4,585
2031	0	0	0	10,570	-10	124	10,437	1,873	0	2,047	3,921	6,516	46,775	5,593
2032	0	0	0	10,754	-11	85	10,658	1,882	0	2,072	3,953	6,704	53,479	6,535
2033	0	0	0	10,978	-13	152	10,813	1,934	0	2,125	4,059	6,754	60,234	7,399
2034	0	0	0	11,300	-14	151	11,135	2,174	0	2,303	4,477	6,658	66,892	8,172
2035	0	0	0	11,269	-15	134	11,121	2,012	0	2,218	4,231	6,890	73,782	8,900
2036	0	0	0	11,439	-9	147	11,283	2,387	0	2,474	4,860	6,422	80,204	9,517
2037	0	0	0	11,287	-10	136	11,140	2,062	0	2,273	4,335	6,805	87,009	10,111
2038	0	0	0	11,239	-10	151	11,078	1,899	0	2,171	4,070	7,008	94,017	10,667
2039	0	0	0	11,402	-9	130	11,264	2,392	0	2,509	4,901	6,362	100,379	11,126
2040	0	0	0	11,285	-8	155	11,122	2,419	0	2,556	4,974	6,148	106,527	11,529
2041	0	0	0	11,056	-6	136	10,914	2,119	0	2,377	4,497	6,417	112,944	11,912
2042	0	0	0	11,023	-2	145	10,876	2,349	0	2,534	4,883	5,993	118,938	12,237
2043	0	0	0	10,785	-4	189	10,592	2,078	0	2,364	4,443	6,149	125,087	12,540
2044	0	0	0	10,597	-6	146	10,445	2,175	0	2,410	4,585	5,860	130,947	12,803
2045	0	0	0	10,438	-5	186	10,247	2,197	0	2,415	4,611	5,635	136,583	13,032
2046	0	0	0	10,199	-9	177	10,014	2,247	0	2,432	4,679	5,335	141,917	13,230
2047	0	0	0	10,020	-9	178	9,832	2,049	0	2,282	4,331	5,501	147,418	13,415
2048	0	0	0	9,874	-10	193	9,671	2,082	0	2,291	4,373	5,297	152,716	13,577
2049	0	0	0	9,765	-11	181	9,573	2,101	0	2,280	4,381	5,192	157,908	13,721
2050	0	0	0	9,524	-9	159	9,356	1,947	0	2,152	4,099	5,257	163,165	13,854
2051	0	0	0	9,230	-5	154	9,071	1,652	0	1,934	3,586	5,485	168,650	13,980
2052	0	0	0	8,137	17	162	7,991	361	0	1,057	1,418	6,573	175,223	14,118
2053	0	0	0	6,971	15	167	6,819	258	0	894	1,153	5,667	180,890	14,225
2054	0	0	0	5,145	1	134	5,011	172	0	727	899	4,112	185,002	14,296
2055	0	0	0	3,522	-6	151	3,365	94	0	539	634	2,731	187,734	14,339
2056	0	0	0	2,225	0	143	2,082	22	0	346	367	1,715	189,449	14,364
2057	0	0	0	1,193	0	261	932	14	0	217	231	701	190,150	14,373
2058	0	0	0	411	0	245	166	7	0	91	99	67	190,217	14,374
2059	0	0	0	56	0	170	-114	-2	0	10	8	-122	190,095	14,372
2060	0	0	0	-11	0	-5	-6	0	0	-4	-4	-2	190,093	14,372
Tot.	**0**	**0**	**0**	**360,612**	**-236**	**5,157**	**355,219**	**69,207**	**0**	**95,919**	**165,126**	**190,093**	**190,093**	**14,372**
Disc	0	0	0	48,408	-35	349	48,024	11,434	0	22,218	33,652	14,372	14,372	14,372

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AFTER TAX ANALYSIS

		Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
Year	Oper. Income MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	CCA MM$	COGPE MM$	CDE MM$	CEE MM$	Other MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	173	0	34	0	0	0	0	0	0	0	0
2013	0	618	0	72	0	0	0	0	0	0	0	0
2014	-16	1,995	0	102	0	0	-38	0	22	0	0	-16
2015	-2	4,951	0	1,084	0	0	-58	0	55	0	0	-2
2016	408	7,888	0	1,758	0	0	-119	0	527	0	0	408
2017	1,626	10,882	0	1,855	0	0	1,069	0	556	0	0	1,626
2018	2,580	13,357	0	2,606	0	0	1,929	0	782	-41	-90	2,580
2019	3,814	15,121	0	3,206	41	90	3,090	0	962	-86	0	3,966
2020	5,493	15,562	0	3,755	127	90	3,449	0	1,126	127	90	4,792
2021	7,064	15,285	0	3,970	0	0	3,425	0	1,191	0	0	4,616
2022	8,373	14,762	0	4,644	0	0	3,328	0	1,393	0	0	4,721
2023	8,863	13,698	0	4,867	0	0	3,141	0	1,460	0	0	4,601
2024	9,250	12,801	0	5,261	0	0	2,920	0	1,578	0	0	4,498
2025	9,769	11,717	0	5,287	0	0	2,700	0	1,586	0	0	4,286
2026	9,920	10,724	0	5,206	0	0	2,468	0	1,562	0	0	4,029
2027	10,328	10,476	0	5,881	0	0	2,341	0	1,764	0	0	4,106
2028	10,161	10,089	0	5,941	0	0	2,278	0	1,782	0	0	4,060
2029	10,385	9,855	0	6,026	0	0	2,208	0	1,808	0	0	4,016
2030	10,317	9,690	0	6,097	0	0	2,167	0	1,829	0	0	3,996
2031	10,437	9,570	0	6,141	0	0	2,137	0	1,842	0	0	3,979
2032	10,658	9,505	0	6,181	0	0	2,117	0	1,854	0	0	3,971
2033	10,813	9,513	0	6,261	0	0	2,113	0	1,878	0	0	3,991
2034	11,135	9,704	0	6,556	0	0	2,138	0	1,967	0	0	4,105
2035	11,121	9,784	0	6,601	0	0	2,169	0	1,980	0	0	4,149
2036	11,283	10,089	0	7,008	0	0	2,213	0	2,102	0	0	4,315
2037	11,140	10,149	0	6,967	0	0	2,253	0	2,090	0	0	4,343
2038	11,078	10,067	0	6,776	0	0	2,245	0	2,033	0	0	4,278
2039	11,264	10,331	0	7,135	0	0	2,269	0	2,141	0	0	4,410
2040	11,122	10,618	0	7,413	0	0	2,335	0	2,224	0	0	4,559
2041	10,914	10,660	0	7,309	0	0	2,368	0	2,193	0	0	4,560
2042	10,876	10,826	0	7,465	0	0	2,390	0	2,240	0	0	4,629
2043	10,592	10,801	0	7,304	0	0	2,405	0	2,191	0	0	4,596
2044	10,445	10,807	0	7,287	0	0	2,400	0	2,186	0	0	4,587
2045	10,247	10,821	0	7,298	0	0	2,403	0	2,189	0	0	4,593
2046	10,014	10,850	0	7,355	0	0	2,408	0	2,207	0	0	4,615
2047	9,832	10,724	0	7,198	0	0	2,396	0	2,159	0	0	4,555
2048	9,671	10,619	0	7,120	0	0	2,368	0	2,136	0	0	4,504
2049	9,573	10,531	0	7,085	0	0	2,348	0	2,125	0	0	4,473
2050	9,356	10,336	0	6,906	0	0	2,315	0	2,072	0	0	4,387
2051	9,071	9,955	0	6,486	0	0	2,247	0	1,946	0	0	4,193
2052	7,991	8,765	0	4,901	0	0	2,059	0	1,470	0	0	3,529
2053	6,819	7,600	0	3,689	0	0	1,788	0	1,107	0	0	2,895
2054	5,011	6,539	0	2,754	0	0	1,544	0	826	0	0	2,370
2055	3,365	5,534	0	2,022	0	0	1,316	0	607	0	0	1,923
2056	2,082	4,564	0	1,437	0	0	1,098	0	431	0	0	1,529
2057	932	3,683	0	1,020	0	0	671	0	306	0	0	977
2058	166	3,104	0	721	0	0	-46	0	216	0	0	170
2059	-114	3,159	0	503	0	0	-15	0	-10	0	0	-25
2060	-6	-188	0	-23	0	0	0	0	-6	0	0	-6
Tot.	**355,219**	**-188**	**0**	**-23**	**0**	**0**	**92,749**	**0**	**68,688**	**0**	**0**	**161,437**
Disc	48,024						15,617	0	9,372	-8	-8	24,973

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Year	Taxable Income MM$	Federal Income Tax MM$	Provincial Tax Rate %	Provincial Income Tax MM$	ARTD & Investment Credits MM$	Income Tax Payable MM$	Net Cash Flow Before Income Tax: Annual MM$	Net Cash Flow Before Income Tax: Cum. MM$	Net Cash Flow Before Income Tax: 10.0% Dcf MM$	Net Cash Flow After Income Tax: Annual MM$	Net Cash Flow After Income Tax: Cum. MM$	Net Cash Flow After Income Tax: 10.0% Dcf MM$
2011	0	0	10.0	0	0	0	0	0	0	0	0	0
2012	0	0	10.0	0	0	0	-207	-207	-196	-207	-207	-196
2013	0	0	10.0	0	0	0	-482	-689	-611	-482	-689	-611
2014	0	0	10.0	0	0	0	-1,424	-2,113	-1,724	-1,424	-2,113	-1,724
2015	0	0	10.0	0	0	0	-3,924	-6,038	-4,513	-3,924	-6,038	-4,513
2016	0	0	10.0	0	0	0	-3,200	-9,238	-6,580	-3,200	-9,238	-6,580
2017	0	0	10.0	0	0	0	-1,873	-11,111	-7,680	-1,873	-11,111	-7,680
2018	0	0	10.0	0	0	0	-2,272	-13,383	-8,894	-2,272	-13,383	-8,894
2019	-152	-23	10.0	-15	0	-38	-1,261	-14,644	-9,506	-1,223	-14,606	-9,487
2020	700	105	10.0	70	0	175	451	-14,193	-9,306	276	-14,330	-9,365
2021	2,449	367	10.0	245	0	612	2,550	-11,643	-8,284	1,937	-12,392	-8,588
2022	3,652	548	10.0	365	0	913	3,608	-8,035	-6,968	2,695	-9,698	-7,605
2023	4,262	639	10.0	426	0	1,065	4,983	-3,053	-5,316	3,917	-5,780	-6,307
2024	4,752	713	10.0	475	0	1,188	5,151	2,098	-3,764	3,963	-1,817	-5,112
2025	5,483	822	10.0	548	0	1,371	6,329	8,427	-2,029	4,958	3,141	-3,754
2026	5,891	884	10.0	589	0	1,473	6,709	15,136	-358	5,236	8,377	-2,449
2027	6,222	933	10.0	622	0	1,556	5,872	21,008	971	4,316	12,693	-1,472
2028	6,101	915	10.0	610	0	1,525	6,382	27,390	2,285	4,857	17,550	-472
2029	6,369	955	10.0	637	0	1,592	6,474	33,864	3,497	4,881	22,432	441
2030	6,321	948	10.0	632	0	1,580	6,395	40,259	4,585	4,815	27,247	1,261
2031	6,458	969	10.0	646	0	1,614	6,516	46,775	5,593	4,902	32,148	2,019
2032	6,686	1,003	10.0	669	0	1,672	6,704	53,479	6,535	5,033	37,181	2,726
2033	6,823	1,023	10.0	682	0	1,706	6,754	60,234	7,399	5,049	42,229	3,372
2034	7,030	1,055	10.0	703	0	1,758	6,658	66,892	8,172	4,901	47,130	3,941
2035	6,972	1,046	10.0	697	0	1,743	6,890	73,782	8,900	5,147	52,277	4,485
2036	6,967	1,045	10.0	697	0	1,742	6,422	80,204	9,517	4,680	56,958	4,934
2037	6,797	1,020	10.0	680	0	1,699	6,805	87,009	10,111	5,106	62,064	5,380
2038	6,800	1,020	10.0	680	0	1,700	7,008	94,017	10,667	5,308	67,372	5,801
2039	6,854	1,028	10.0	685	0	1,713	6,362	100,379	11,126	4,649	72,020	6,137
2040	6,563	984	10.0	656	0	1,641	6,148	106,527	11,529	4,507	76,527	6,432
2041	6,354	953	10.0	635	0	1,588	6,417	112,944	11,912	4,829	81,356	6,720
2042	6,247	937	10.0	625	0	1,562	5,993	118,938	12,237	4,431	85,788	6,961
2043	5,996	899	10.0	600	0	1,499	6,149	125,087	12,540	4,650	90,438	7,190
2044	5,859	879	10.0	586	0	1,465	5,860	130,947	12,803	4,396	94,833	7,387
2045	5,654	848	10.0	565	0	1,414	5,635	136,583	13,032	4,222	99,055	7,559
2046	5,399	810	10.0	540	0	1,350	5,335	141,917	13,230	3,985	103,041	7,706
2047	5,278	792	10.0	528	0	1,319	5,501	147,418	13,415	4,182	107,222	7,847
2048	5,166	775	10.0	517	0	1,292	5,297	152,716	13,577	4,006	111,228	7,970
2049	5,099	765	10.0	510	0	1,275	5,192	157,908	13,721	3,917	115,145	8,078
2050	4,969	745	10.0	497	0	1,242	5,257	163,165	13,854	4,014	119,160	8,180
2051	4,878	732	10.0	488	0	1,220	5,485	168,650	13,980	4,266	123,426	8,278
2052	4,462	669	10.0	446	0	1,115	6,573	175,223	14,118	5,458	128,883	8,392
2053	3,924	589	10.0	392	0	981	5,667	180,890	14,225	4,686	133,569	8,481
2054	2,641	396	10.0	264	0	660	4,112	185,002	14,296	3,452	137,021	8,541
2055	1,442	216	10.0	144	0	360	2,731	187,734	14,339	2,371	139,392	8,578
2056	553	83	10.0	55	0	138	1,715	189,449	14,364	1,577	140,968	8,601
2057	-45	-7	10.0	-4	0	-11	701	190,150	14,373	712	141,681	8,610
2058	-4	-1	10.0	0	0	-1	67	190,217	14,374	68	141,749	8,611
2059	-90	0	10.0	0	0	0	-122	190,095	14,372	-122	141,627	8,609
2060	0	0	10.0	0	0	0	-2	190,093	14,372	-2	141,625	8,609
Tot.	**193,782**	**29,081**		**19,387**	**0**	**48,468**	**190,093**	**190,093**	**14,372**	**141,625**	**141,625**	**8,609**
Disc	23,052	3,458		2,305	0	5,763	14,372	14,372	14,372	8,609	8,609	8,609

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011: Working Interest	Roy/NPI Interest	Total Company	Net	Oil Equivalents: Oil Eq. Factor	Company Mboe	% of Total	Reserve Life Indic. (yr): Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	7,659,253	0	7,659,253	6,297,793	1.000	7,659,253	100	49.1	999.9	24.4
Total: Oil Eq.	Mboe	7,659,253	0	7,659,253	6,297,793	1.000	7,659,253	100	49.1	999.9	24.4

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values: Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Net Revenue After Royalties: Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	607,363	100	80,340	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	607,363	100	80,340	100

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REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Disc. Rate	Net Present Value Before Income Tax					Net Present Value After Income Tax			
				Prod'n Revenue	Operating Income	Capital Invest.	Cash Flow		Operating Income	Capital Invest.	Cash Flow	
	Initial	Average	%	MM$	MM$	MM$	MM$	$/boe	MM$	MM$	MM$	$/boe
Crown Royalty	0.0000	18.2284	0.0	360,612	355,219	165,126	190,093	24.82	306,751	165,126	141,625	18.49
Non-crown Royalty	0.0000	0.0000	5.0	116,700	115,447	64,817	50,630	6.61	100,425	64,817	35,608	4.65
Mineral Tax	0.0000	0.0000	8.0	67,134	66,535	42,591	23,944	3.13	58,263	42,591	15,671	2.05
			10.0	48,408	48,024	33,652	14,372	1.88	42,261	33,652	8,609	1.12
			12.0	35,893	35,638	27,345	8,293	1.08	31,523	27,345	4,178	0.55
			15.0	23,936	23,791	20,874	2,917	0.38	21,209	20,874	334	0.04
			20.0	13,332	13,268	14,404	-1,136	-0.15	11,976	14,404	-2,427	-0.32

Evaluator: Bennett, Caralyn P.
Run Date: December 19, 2011 11:36:21

SPE-PRMS RESOURCE AND RESERVES DEFINITIONS

GLJ Petroleum Consultants (GLJ) has prepared estimates of resources and reserves in accordance with the definitions and standards contained in the Petroleum Resources Management System (SPE-PRMS) prepared by the Society of Petroleum Engineers (SPE). The SPE-PRMS document was reviewed and jointly sponsored by the World Petroleum Council (WPC), the American Association of Petroleum Geologists (AAPG) and the Society of Petroleum Evaluation Engineers (SPEE). The SPE-PRMS definitions and guidelines are similar to those contained in the Canadian Oil and Gas Evaluation (COGE) Handbook, which is referenced by the Canadian Securities Administrators in "National Instrument 51-101 Standards of Disclosure for Oil and Gas Activities" and the standards normally used in Canadian oil and gas evaluations. Reserve and resource volumes derived under the SPE-PRMS and COGEH standards would not generally be materially different. The following are excerpts from the SPE-PRMS.

A. Fundamental Resource Definitions

Total Petroleum Initially-In-Place (PIIP) is that quantity of petroleum that is estimated to exist originally in naturally occurring accumulations. It includes that quantity of petroleum that is estimated, as of a given date, to be contained in known accumulations, prior to production, plus those estimated quantities in accumulations yet to be discovered (equivalent to "total resources").

Discovered Petroleum Initially-In-Place (equivalent to discovered resources) is that quantity of petroleum that is estimated, as of a given date, to be contained in known accumulations prior to production.

Reserves are those quantities of petroleum anticipated to be commercially recoverable by application of development projects to known accumulations from a given date forward under defined conditions. Reserves must further satisfy four criteria: they must be discovered, recoverable, commercial, and remaining (as of the evaluation date) based on the development project(s) applied. Reserves are further categorized in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterized by development and production status.

Contingent Resources are those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations but the applied project(s) are not yet considered mature enough for commercial development due to one or more contingencies. Contingent Resources may include, for example, projects for which there are currently no viable markets, or where commercial recovery is dependent on technology under development, or where evaluation of the accumulation is insufficient to clearly assess commerciality. Contingent Resources are further categorized in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterized by their economic status.

Undiscovered Petroleum Initially-In-Place (equivalent to undiscovered resources) is that quantity of petroleum estimated, on a given date, to be contained within accumulations yet to be discovered.

Prospective Resources are those quantities of petroleum estimated, as of a given date, to be potentially recoverable from undiscovered accumulations by application of future development projects. Prospective resources have both an associated chance of discovery and a chance of development. Prospective Resources are further subdivided in accordance with the level of certainty associated with recoverable estimates assuming their discovery and development and may be sub-classified based on project maturity.

B. Uncertainty Categories for Resource Estimates

The range of uncertainty of estimated recoverable volumes may be represented by either deterministic scenarios or by a probability distribution. When the range of uncertainty is represented by a probability distribution, a low, best, and high estimate shall be provided such that:

Low Estimate: There should be at least a 90 percent probability (P90) that the quantities actually recovered will equal or exceed the low estimate.

Best Estimate: There should be at least a 50 percent probability (P50) that the quantities actually recovered will equal or exceed the best estimate.

High Estimate: There should be at least a 10 percent probability (P10) that the quantities actually recovered will equal or exceed the high estimate.

When using the deterministic scenario method, typically there should also be low, best, and high estimates, where such estimates are based on qualitative assessments of relative uncertainty using consistent interpretation guidelines.

These same approaches to describing uncertainty may be applied to reserves, contingent resources, and prospective resources. There may be significant risk that sub-commercial and undiscovered accumulations will not achieve commercial production. However, it is useful to consider and identify the range of potentially recoverable quantities independently of such risk or consideration of the resource class to which the quantities will be assigned.

C. Reserves Categories

The following summarizes the definitions of each Reserves category in terms of both the deterministic incremental approach and scenario approach and also provides the probability criteria if probabilistic methods are applied.

Proved Reserves
Proved reserves are those quantities of petroleum, which, by analysis of geosciences and engineering data, can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operating methods, and government regulations. If deterministic methods are used, the term reasonable certainty is intended to express a high degree of confidence that the quantities will be recovered. If probabilistic methods are used, there should be at least a 90% probability that the quantities actually recovered will equal or exceed the estimate.

Probable Reserves
Probable reserves are those additional reserves which analysis of geoscience and engineering data indicate are less likely to be recovered than proved reserves but more certain to be recovered than possible reserves. It is equally likely that actual remaining quantities recovered will be greater than or less than the sum of the estimated proved plus probable reserves (2P).

In this context, when probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the 2P estimate.

Possible Reserves
Possible reserves are those additional reserves which analysis of geoscience and engineering data suggest are less likely to be recoverable than probable reserves. The total quantities ultimately recovered from the project have a low probability to exceed the sum of proved plus probable plus possible (3P) reserves, which is equivalent to the high estimate scenario. In this context, when probabilistic methods are used, there should be at least a 10% probability that the actual quantities recovered will equal or exceed the 3P estimate.

Development and Production Status

Each of the reserves categories (proved, probable, and possible) may be divided into developed and undeveloped categories.

Developed Reserves
Developed reserves are those reserves that are expected quantities to be recovered from existing wells and facilities.

Developed Producing Reserves
Developed producing reserves are those reserves expected to be recovered from intervals that are open and producing at the time of the estimate.

Developed Non-producing Reserves
Developed non-producing reserves include shut-in and behind-pipe reserves.

Undeveloped Reserves
Undeveloped reserves are quantities expected to be recovered through future investments.

D. Discovered and Commercial

Discovery Status

A discovery is one petroleum accumulation, or several petroleum accumulations collectively, for which one or several exploratory wells have established through testing, sampling, and/or logging the existence of a significant quantity of potentially moveable hydrocarbons.

In this context, "significant" implies that there is evidence of a sufficient quantity of petroleum to justify estimating the in-place volume determined by the well(s) and for evaluating the potential for economic recovery.

Commercial Status

Discovered recoverable volumes (Contingent Resources) may be considered commercially producible, and thus Reserves, if the entity claiming commerciality has demonstrated firm intention to proceed with development and such intention is based upon all of the following criteria:

- Evidence to support a reasonable timetable for development;
- A reasonable assessment of the future economics of such development projects meeting defined investment and operating criteria;
- A reasonable expectation that there will be a market for all or at least the expected sales quantities of production required to justify development;

- Evidence that the necessary production and transportation facilities are available or can be made available;
- Evidence that legal, contractual, environmental, governmental, and other social and economic concerns will allow for the actual implementation of the recovery project being evaluated.

E. Economic Status of Resource Estimates

Projects may be further characterized by their Economic Status. All projects classified as Reserves must be economic under defined conditions. Based on assumptions regarding future conditions and their impact on ultimate economic viability, projects currently classified as Contingent Resources may be broadly divided into two groups:

Marginal Contingent Resources are those quantities associated with technically feasible projects that are either currently economic or projected to be economic under reasonably forecasted improvements in commercial conditions but are not committed for development because of one or more contingencies.

Sub-Marginal Contingent Resources are those quantities associated with discoveries for which analysis indicates that technically feasible development projects would not be economic and/or other contingencies would not be satisfied under current or reasonably forecasted improvements in commercial conditions. These projects nonetheless should be retained in the inventory of discovered resources pending unforeseen major changes in commercial conditions.

Where evaluations are incomplete such that it is premature to clearly define ultimate chance of commerciality, it is acceptable to note that project economic status is "undetermined" (i.e., "contingent resources – economic status undetermined").

EVALUATION PROCEDURE

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EVALUATION PROCEDURE

The following outlines the methodology employed by GLJ Petroleum Consultants (GLJ) in conducting the evaluation of the Company's oil sands properties. GLJ evaluation procedures are in compliance with standards described in the SPE's Petroleum Resource Evaluation Standards.

INTEREST DESCRIPTIONS

The Company provided GLJ with current land interest information. The Company provided a representation letter confirming accuracy of land information. Certain cross-checks of land information were undertaken by GLJ. In this process, nothing came to GLJ's attention that indicated that information provided by the Company was incomplete or unreliable.

In GLJ's reports, "Company Interest" reserves and values refer to the sum of royalty interest* and working interest reserves before deduction of royalty burdens payable. "Working Interest" reserves equate to those reserves that are referred to as "Company Gross" reserves.

**Royalty interest reserves include royalty volumes derived only from other working interest owners.*

WELL DATA

Pertinent interest and offset well data such as drill stem tests, workovers, pressure surveys, production tests, etc., were provided by the Company or were obtained from other operators, public records or GLJ nonconfidential files.

ACCOUNTING SUMMARY

As the Company's properties have not yet been developed, no accounting statements were reviewed.

PRODUCTION FORECASTS

In establishing all production forecasts, consideration was given to existing contracts and the possibility of contract revisions, to the operator's plans for development drilling and to reserves and well capability. Generally, development drilling in an area was not considered unless there was some indication from the operator that drilling could be expected.

The on-stream date for currently shut-in reserves was estimated with consideration given to the following:

- proximity to existing facilities
- plans of the operator
- economics

OTHER INCOME

The following streams are included as "Other Income" in the Company's corporate total economic forecasts:

- Processing Income – The Company is forecast to receive revenue from electricity sales in COGEN facilities.

ECONOMIC PARAMETERS

Pertinent economic parameters are listed as follows:

a) The effective date is 30 November 2011.

b) Operating and capital costs were estimated in 2011 dollars and then escalated as summarised in the Product Price and Market Forecasts section of this report.

c) Economic forecasts were prepared for each property on a before income tax basis. Detailed discounting of future cash flow was performed using a discount factor of 10.0 percent with all values discounted annually to 30 November 2011, on a mid-calendar-year basis.

d) Alberta crown royalties have been determined in accordance with the Alberta New Royalty Framework (NRF) which passed provincial legislation in December 2008.

e) Field level overhead charges have been included; recovery of overhead expenses has not been included.

f) The Company's office G&A costs have not been included.

g) Well abandonment costs for all wells with reserves have been included at the property level. Additional abandonment costs associated with non-reserves wells, lease reclamation costs and facility abandonment and reclamation expenses have not been included in this analysis.

AFTER TAX ANALYSIS

Canadian income taxes were calculated based on currently legislated federal and provincial tax rates, tax regulations and tax pool information provided by the Company. After tax values for reserves development status or production status subcategories (i.e. developed, undeveloped, producing, non-producing) are calculated by difference.

Tax Pools

The following tax pools as of the effective date, were included in the income tax calculations:

Tax Pool Classification	Write-Off Rate (%)	Tax Pool (M$)
Canadian Oil and Gas Property Expense	10	0
Canadian Exploration Expense	100	139,388
Non-Capital Losses	100	106,923
Canadian Development Expense	30	38,541
Capital Cost Allowance:		
Class 41	25	5,908
Class 17	8	4,118
Class 8	20	191
Class 10	30	303

Tax Rates

Federal income tax calculations incorporate recently enacted reductions in general corporate income tax rates as follows:

Year	Federal Income Tax Rate
2011	16.5%
2012+	15.0%

Allocation of revenues to Canadian provinces for income tax purposes depends on several factors in addition to the provincial origin of the resource revenues. The average future annual provincial tax rate has been calculated based on an allocation of provincial resource revenues and their respective tax rate as follows:

Year	Alberta Tax Rate	Alberta Allocation	B.C. Tax Rate	B.C. Allocation	Sask. Tax Rate	Sask. Allocation	Man. Tax Rate	Man. Allocation	Avg. Ann. Tax Rate
2011+	10.00%	100%	10.00%	0%	12.00%	0%	12.00%	0%	10%

Company total after tax economic forecasts for all reserves and resource categories are attached.

OIL EQUIVALENT OR GAS EQUIVALENT

In this report, quantities of hydrocarbons have been converted to barrels of oil equivalent (boe); or to sales gas equivalent (sge) using factors of 6 Mcf/boe for gas, 1 bbl/boe for all liquids, and 0 boe for sulphur. Users of oil equivalent values are cautioned that while boe based metrics are useful for comparative purposes, they may be misleading when used in isolation.

LIST OF ABBREVIATIONS

AOF	absolute open flow
bbl	barrels
Bcf	billion cubic feet of gas at standard conditions
boe	barrel of oil equivalent, in this evaluation determined using 6 Mcf/boe for gas, 1 bbl/boe for all liquids, and 0 boe for sulphur
bopd	barrels of oil per day
BTU	British thermal units
bwpd	barrels of water per day
DSU	drilling spacing unit
GCA	gas cost allowance
GOC	gas-oil contact
GOR	gas-oil ratio
GORR	gross overriding royalty
GWC	gas-water contact
Mbbl	thousand barrels
Mboe	thousand boe
Mcf	thousand cubic feet of gas at standard conditions
Mcfe	thousand cubic feet of gas equivalent
Mlt	thousand long tons
M$	thousand Canadian dollars
MM$	million Canadian dollars
MMbbl	million barrels
MMboe	million boe
MMBtu	million British thermal units
MMcf	million cubic feet of gas at standard conditions
MRL	maximum rate limitation
Mstb	thousand stock tank barrels
MMstb	million stock tank barrels
NGL	natural gas liquids (ethane, propane, butane and condensate)
NPI	net profits interest
OGIP	original gas-in-place
OOIP	original oil-in-place
ORRI	overriding royalty interest
OWC	oil-water contact
P&NG	petroleum and natural gas
psia	pounds per square inch absolute
psig	pounds per square inch gauge

PVT	pressure-volume-temperature
RLI	reserves life index, calculated by dividing reserves by the forecast of first year production
scf	standard cubic feet
sge	sales gas equivalent – if presented in this evaluation, determined using 1 barrel of oil or natural gas liquid = 6 Mcfe; 0 for sulphur
stb	stock tank barrel
WI	working interest
WTI	West Texas Intermediate

Table EP-1

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Company Annual Other Income (M$)

	Year												Totals		
Entity Description	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Subtotal	Remainder	Total
Total Properties															
Crow Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Long Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ells Leduc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ells/Legend Lake	0	0	0	4,008	3,581	9,767	8,725	8,847	17,966	17,625	18,037	18,483	107,039	613,597	720,636
Goffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goffer Keg River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Muskwa Carbonates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pelican	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portage (Grand Rapids)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portage (Nisku)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saleski	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thickwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total: Total Properties	**0**	**0**	**0**	**4,008**	**3,581**	**9,767**	**8,725**	**8,847**	**17,966**	**17,625**	**18,037**	**18,483**	**107,039**	**613,597**	**720,636**

PRODUCT PRICE AND MARKET FORECASTS

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PRODUCT PRICE AND MARKET FORECASTS
01 October 2011

GLJ Petroleum Consultants has prepared its 01 October 2011 price and market forecasts as summarised in the attached Tables 1 and 2 after a comprehensive review of information. Information sources include numerous government agencies, industry publications, Canadian oil refiners and natural gas marketers. The forecasts presented herein are based on an informed interpretation of currently available data. While these forecasts are considered reasonable at this time, users of these forecasts should understand the inherent high uncertainty in forecasting any commodity or market. These forecasts will be revised periodically as market, economic and political conditions change. These future revisions may be significant.

Table 1
GLJ Petroleum Consultants Ltd.
Crude Oil and Natural Gas Liquids
Price Forecast
Effective 01 October 2011

Year	Inflation %	Bank of Canada Average Noon Exchange Rate $US/$Cdn	Nymex Wti Near Month Futures Contract Crude Oil at Cushing Oklahoma Constant 2011 $ $US/bbl	Nymex Wti Near Month Futures Contract Crude Oil at Cushing Oklahoma Then Current $US/bbl	ICE Brent Near Month Futures Contract Crude Oil FOB North Sea Then Current $US/bbl	Light Sweet Crude Oil 40 API, 0.3%S at Edmonton Then Current $Cdn/bbl	Bow River Crude Oil Stream Quality at Hardisty Then Current $Cdn/bbl	Lloyd Blend Crude Oil Stream Quality at Hardisty Then Current $Cdn/bbl	WCS Stream Quality at Hardisty Then Current $Cdn/bbl	Heavy Crude Oil Proxy (12 API) at Hardisty Then Current $Cdn/bbl	Light Crude Oil (35 API, 1.2%S) at Cromer Then Current $Cdn/bbl	Medium Crude Oil (29 API, 2.0%S) at Cromer Then Current $Cdn/bbl	Alberta Natural Gas Liquids (Then Current Dollars) Spec Ethane $Cdn/bbl	Edmonton Propane $Cdn/bbl	Edmonton Butane $Cdn/bbl	Edmonton Pentanes Plus $Cdn/bbl
2000	2.7	0.673	37.99	30.23	28.41	44.57	35.28	32.61	N/A	27.49	43.28	39.92	N/A	32.15	35.59	46.31
2001	2.5	0.646	31.81	26.00	24.87	39.44	27.69	23.47	N/A	16.77	35.22	31.58	N/A	31.92	31.25	42.48
2002	2.3	0.637	31.12	26.08	25.02	40.33	31.83	30.60	N/A	26.57	37.43	35.48	N/A	21.39	27.08	40.73
2003	2.8	0.716	36.25	31.07	28.47	43.66	32.11	31.18	N/A	26.26	40.09	37.55	N/A	32.14	34.36	44.23
2004	1.8	0.770	47.01	41.38	38.02	52.96	37.43	36.31	N/A	29.11	49.14	45.64	N/A	34.70	39.97	53.94
2005	2.2	0.826	63.09	56.58	55.14	69.02	44.73	43.03	43.74	34.07	62.18	56.77	N/A	43.04	51.80	69.57
2006	2.0	0.882	72.20	66.22	66.16	73.21	51.82	50.36	50.66	41.84	66.38	62.26	N/A	43.85	60.17	75.41
2007	2.2	0.935	77.44	72.39	72.71	77.06	53.64	52.03	52.38	43.42	71.13	65.71	N/A	49.56	61.78	77.38
2008	2.4	0.943	104.17	99.64	98.30	102.89	84.31	82.60	82.95	74.94	96.08	93.10	N/A	58.38	75.33	104.78
2009	0.4	0.880	63.13	61.78	62.50	66.32	60.18	58.40	58.66	54.46	63.84	62.96	N/A	38.03	48.17	68.17
2010	1.8	0.971	80.95	79.52	80.25	77.87	68.45	66.95	67.27	60.76	76.58	73.76	N/A	46.84	65.91	84.27
2011 Q1	2.6	1.014	94.11	94.11	105.20	88.39	71.48	69.96	70.21	60.86	85.89	81.08	N/A	51.33	73.43	96.92
2011 Q2	3.4	1.034	102.56	102.56	117.19	103.58	83.43	81.81	82.14	72.69	100.30	95.30	N/A	53.39	78.42	108.86
2011 Q3 (e)	2.7	1.022	92.89	92.89	111.16	92.83	73.46	71.75	72.12	62.07	89.19	86.15	N/A	55.29	72.99	100.67
2011 Q4	2.0	0.980	85.00	85.00	105.00	91.84	72.55	71.17	71.57	61.49	87.24	84.49	12.88	55.10	70.71	100.10
2011 Full Year	2.7	1.012	93.64	93.64	109.64	94.16	75.23	73.67	74.01	64.28	90.66	86.76	N/A	53.78	73.89	101.64
2012	2.0	0.980	88.24	90.00	105.00	94.39	75.51	74.09	74.49	66.16	89.20	86.84	14.47	59.46	72.68	97.22
2013	2.0	0.980	91.31	95.00	105.00	96.94	79.49	78.04	78.44	70.78	90.64	89.18	15.26	61.07	74.64	98.88
2014	2.0	0.980	94.23	100.00	105.00	101.02	82.84	81.32	81.72	73.81	93.95	91.93	16.85	63.64	77.79	103.04
2015	2.0	0.980	92.38	100.00	100.00	101.02	82.84	81.32	81.72	73.81	93.95	91.93	18.43	63.64	77.79	103.04
2016	2.0	0.980	90.57	100.00	100.00	101.02	82.84	81.32	81.72	73.81	93.95	91.93	20.02	63.64	77.79	103.04
2017	2.0	0.980	90.00	101.36	101.36	102.41	83.97	82.44	82.84	74.83	95.24	93.19	21.60	64.52	78.85	104.46
2018	2.0	0.980	90.00	103.38	103.38	104.47	85.66	84.10	84.50	76.36	97.16	95.07	23.09	65.82	80.44	106.56
2019	2.0	0.980	90.00	105.45	105.45	106.58	87.40	85.80	86.20	77.92	99.12	96.99	23.57	67.15	82.07	108.71
2020	2.0	0.980	90.00	107.56	107.56	108.73	89.16	87.53	87.93	79.52	101.12	98.95	24.04	68.50	83.73	110.91
2021+	2.0	0.980	90.00	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr

Historical futures contract price is an average of the daily settlement price of the near month contract over the calendar month.

Revised 2011-09-30

Table 2
GLJ Petroleum Consultants Ltd.
Natural Gas and Sulphur
Price Forecast
Effective 01 October 2011

	Henry Hub Nymex		Midwest		Alberta Plant Gate					Saskatchewan Plant Gate			British Columbia			Alberta
	Near Month Contract		Price @ Chicago	AECO/NIT Spot	Spot							Sulphur	Sulphur			
	Constant 2011 $	Then Current	Then Current	Then Current	Constant 2011 $	Then Current	ARP	Aggregator	Alliance	SaskEnergy	Spot	Westcoast Sumas Spot	Spot Station 2	FOB Plant Gate	at Plant Vancouver	Gate
Year	$US/mmbtu	$US/mmbtu	$US/mmbtu	$Cdn/mmbtu	$/mmbtu	$/mmbtu	$/mmbtu	$/mmbtu	$/mmbtu	$/mmbtu	$/mmbtu	$US/mmbtu	$/mmbtu	$/mmbtu	$US/LT	$Cdn/LT
2000	5.42	4.32	3.96	5.08	6.19	4.93	4.50	4.44	N/A	4.79	4.99	4.15	5.06	4.88	38.14	13.59
2001	4.93	4.03	4.45	6.23	7.44	6.07	5.41	4.97	5.29	5.72	6.15	4.57	6.32	6.29	18.29	-14.67
2002	4.01	3.36	3.25	4.04	4.63	3.88	3.88	3.64	3.66	4.04	3.96	2.68	4.18	3.93	29.38	3.04
2003	6.38	5.47	5.46	6.66	7.57	6.49	6.13	5.87	6.15	6.41	6.57	4.66	6.45	6.32	59.81	39.83
2004	7.02	6.18	6.13	6.88	7.61	6.70	6.31	6.16	6.39	6.48	6.78	5.26	6.56	6.45	62.99	38.61
2005	10.04	9.00	8.24	8.58	9.39	8.42	8.30	8.27	8.29	8.36	8.48	7.13	8.22	8.12	63.50	33.77
2006	7.62	6.99	6.93	7.16	7.59	6.96	6.57	6.36	6.34	6.67	7.06	6.27	6.58	6.45	55.07	19.27
2007	7.61	7.12	6.83	6.65	6.87	6.43	6.20	6.13	5.86	6.18	6.55	6.52	6.40	6.25	81.66	42.03
2008	9.30	8.90	8.91	8.16	8.28	7.92	7.88	7.85	7.84	8.07	8.04	8.33	8.21	8.09	497.39	488.64
2009	4.26	4.16	4.05	4.19	4.07	3.98	3.85	3.69	3.23	3.87	4.04	3.91	4.17	4.04	57.06	24.57
2010	4.47	4.40	4.53	4.17	4.00	3.93	3.77	3.63	3.31	3.96	4.00	4.31	4.01	3.91	88.94	48.26
2011 Q1	4.20	4.20	4.32	3.79	3.57	3.57	3.55	3.36	2.93	3.71	3.72	4.04	3.52	3.43	191.99	148.99
2011 Q2	4.38	4.38	4.43	3.84	3.63	3.63	3.59	3.34	2.98	3.70	3.89	4.02	3.42	3.33	211.35	168.35
2011 Q3 (e)	4.19	4.19	4.41	3.82	3.61	3.61	3.55	3.39	3.01	3.53	3.82	3.99	3.54	3.43	211.06	168.06
2011 Q4	4.25	4.25	4.35	3.90	3.70	3.70	3.63	3.55	3.09	3.73	3.84	3.95	3.70	3.55	200.00	161.08
2011 Full Year	4.26	4.26	4.38	3.84	3.63	3.63	3.58	3.41	3.00	3.67	3.82	4.00	3.55	3.44	203.60	161.62
2012	4.66	4.75	4.85	4.36	4.08	4.16	4.03	3.98	3.58	4.13	4.30	4.45	4.16	4.00	150.00	110.06
2013	4.81	5.00	5.10	4.59	4.21	4.39	4.25	4.20	3.82	4.35	4.53	4.65	4.39	4.23	125.00	84.55
2014	5.18	5.50	5.60	5.05	4.56	4.84	4.70	4.64	4.31	4.80	4.99	5.15	4.85	4.69	100.00	59.04
2015	5.54	6.00	6.10	5.51	4.89	5.30	5.14	5.08	4.80	5.24	5.45	5.65	5.31	5.14	100.00	59.04
2016	5.89	6.50	6.60	5.97	5.21	5.75	5.58	5.51	5.29	5.68	5.91	6.15	5.77	5.60	100.00	59.04
2017	6.22	7.00	7.10	6.43	5.51	6.21	6.02	5.95	5.78	6.12	6.37	6.65	6.23	6.05	102.00	61.08
2018	6.50	7.47	7.57	6.86	5.78	6.64	6.44	6.36	6.24	6.54	6.80	7.12	6.66	6.48	104.04	63.16
2019	6.50	7.62	7.72	7.00	5.78	6.77	6.57	6.49	6.39	6.67	6.94	7.27	6.80	6.62	106.12	65.29
2020	6.50	7.77	7.87	7.14	5.78	6.91	6.70	6.62	6.54	6.80	7.08	7.42	6.94	6.76	108.24	67.45
2021+	6.50	+2.0%/yr	+2.0%/yr	+2.0%/yr	5.78	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr

Unless otherwise stated, the gas price reference point is the receipt point on the applicable provincial gas transmission system known as the plant gate.
The plant gate price represents the price before raw gas gathering and processing charges are deducted.
AECO-C Spot refers to the one month price averaged for the year.

Revised 2011-09-30

Bitumen Netback Pricing - Diluent Blending - Clastics
GLJ - October 1, 2011 Pricing Assumptions

	Oil Sands Inflation %	Bank of Canada Average Noon Rate $US/$Cdn	West Texas Intermediate Crude Oil at Cushing Oklahoma Current $US/bbl	Light, Sweet Crude Oil (40 API, 0.3%S) at Edmonton Current $Cdn/bbl	LLB Crude Oil Stream Quality at Hardisty Current $Cdn/bbl	Dil-bit Quality Differential Current $Cdn/bbl	Dil-bit Stream Quality at Hardisty Current $Cdn/bbl	Edmonton Pentanes Plus $Cdn/bbl	Diluent Transp. & Postings+ $Cdn/bbl	Diluent at Field Current $Cdn/bbl	Transportation Current $Cdn/bbl	Bitumen Wellhead Current $Cdn/bbl
2011 Q4	2.0	0.980	85.00	91.84	71.17	-6.00	65.17	100.10	6.00	106.10	3.50	48.34
2012	2.0	0.980	90.00	94.39	74.09	-5.25	68.84	97.22	6.00	103.22	3.50	53.98
2013	2.0	0.980	95.00	96.94	78.04	-4.50	73.54	98.88	6.00	104.88	3.50	59.59
2014	2.0	0.980	100.00	101.02	81.32	-4.00	77.32	103.04	6.00	109.04	3.50	63.25
2015	2.0	0.980	100.00	101.02	81.32	-3.75	77.57	103.04	6.00	109.04	3.50	63.58
2016	2.0	0.980	100.00	101.02	81.32	-1.28	80.05	103.04	6.00	109.04	2.75	63.68
2017	2.0	0.980	101.36	102.41	82.44	-1.30	81.14	104.46	6.00	110.46	2.75	64.63
2018	2.0	0.980	103.38	104.47	84.10	-1.33	82.77	106.56	6.00	112.56	2.25	66.78
2019	2.0	0.980	105.45	106.58	85.80	-1.35	84.45	108.71	6.00	114.71	2.25	68.25
2020	2.0	0.980	107.56	108.73	87.53	-1.38	86.15	110.91	6.00	116.91	1.75	70.45
2021	2.0	0.980	109.71	110.90	89.28	-1.41	87.87	113.13	6.00	119.13	1.75	71.96
2022	2.0	0.980	111.91	113.12	91.07	-1.44	89.63	115.39	6.00	121.39	1.75	73.50
2023	2.0	0.980	114.14	115.39	92.89	-1.46	91.42	117.70	6.00	123.70	1.75	75.08
2024+	2.0	0.980	+2.0%/yr	+2.0%/yr	+2.0%/yr			+2.0%/yr		+2.0%/yr		+2.0%/yr

Notes: Blending Ratio - Trucking = 1bbl bitumen: 0.3bbl Diluent (2011-2015)
Blending Ratio - Pipeline = 1bbl bitumen: 0.429bbl Diluent (2016+)

Bitumen Netback Pricing - Diluent Blending - Carbonate Reservoirs
GLJ - October 1, 2011 Pricing Assumptions

	Oil Sands Inflation %	Bank of Canada Average Noon Rate $US/$Cdn	West Texas Intermediate Crude Oil at Cushing Oklahoma Current $US/bbl	Light, Sweet Crude Oil (40 API, 0.3%S) at Edmonton Current $Cdn/bbl	LLB Crude Oil Stream Quality at Hardisty Current $Cdn/bbl	Dil-bit Quality Differential Current $Cdn/bbl	Dil-bit Stream Quality at Hardisty Current $Cdn/bbl	Edmonton Pentanes Plus $Cdn/bbl	Diluent Transp. & Postings+ $Cdn/bbl	Diluent at Field Current $Cdn/bbl	Transportation Current $Cdn/bbl	Bitumen Wellhead Current $Cdn/bbl
2011 Q4	2.0	0.980	85.00	91.84	71.17	-3.25	67.92	100.10	6.00	106.10	3.50	45.25
2012	2.0	0.980	90.00	94.39	74.09	-2.25	71.84	97.22	6.00	103.22	3.50	52.30
2013	2.0	0.980	95.00	96.94	78.04	-1.25	76.79	98.88	6.00	104.88	3.50	58.76
2014	2.0	0.980	100.00	101.02	81.32	-1.25	80.07	103.04	6.00	109.04	3.50	61.63
2015	2.0	0.980	100.00	101.02	81.32	-1.25	80.07	103.04	6.00	109.04	3.50	61.63
2016	2.0	0.980	100.00	101.02	81.32	-1.28	80.05	103.04	6.00	109.04	2.75	62.69
2017	2.0	0.980	101.36	102.41	82.44	-1.30	81.14	104.46	6.00	110.46	2.75	63.64
2018	2.0	0.980	103.38	104.47	84.10	-1.33	82.77	106.56	6.00	112.56	2.25	65.79
2019	2.0	0.980	105.45	106.58	85.80	-1.35	84.45	108.71	6.00	114.71	2.25	67.24
2020	2.0	0.980	107.56	108.73	87.53	-1.38	86.15	110.91	6.00	116.91	1.75	69.45
2021	2.0	0.980	109.71	110.90	89.28	-1.41	87.87	113.13	6.00	119.13	1.75	70.94
2022	2.0	0.980	111.91	113.12	91.07	-1.44	89.63	115.39	6.00	121.39	1.75	72.47
2023	2.0	0.980	114.14	115.39	92.89	-1.46	91.42	117.70	6.00	123.70	1.75	74.02
2024+	2.0	0.980	+2.0%/yr	+2.0%/yr	+2.0%/yr			+2.0%/yr		+2.0%/yr		+2.0%/yr

Notes: Blending Ratio = 1bbl bitumen: 0.46bbl Diluent

ECONOMIC SENSITIVITIES

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WTI+$5/STB

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) +WTI$5**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	336,449	437,114	826,336	1,890,262	6,211,722
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	336,449	437,114	826,336	1,890,262	6,211,722
BEFORE TAX PRESENT VALUE (M$)					
0%	12,725,852	18,380,868	24,548,332	59,794,553	214,197,222
5%	3,371,356	5,127,482	7,918,738	17,943,412	58,352,319
8%	1,630,322	2,570,501	3,942,361	8,867,746	28,390,601
10%	989,036	1,627,105	2,360,488	5,443,004	17,589,893
12%	564,990	1,006,067	1,284,604	3,200,023	10,691,763
15%	163,131	422,560	260,830	1,155,430	4,534,382
20%	-188,407	-80,374	-593,749	-445,498	-212,411
AFTER TAX PRESENT VALUE (M$)					
0%	9,454,461	13,735,414	18,266,800	44,472,981	159,738,159
5%	2,380,036	3,682,527	5,500,847	12,590,059	41,478,117
8%	1,065,766	1,751,747	2,483,340	5,790,842	19,093,786
10%	581,972	1,040,650	1,292,818	3,255,230	11,111,488
12%	262,310	573,207	489,538	1,613,099	6,064,825
15%	-40,064	135,098	-265,161	142,465	1,630,328
20%	-302,840	-239,809	-875,710	-960,364	-1,663,616

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Run Date: December 19, 2011 11:41:08

WTI-$5/STB

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) -WTI$5**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	346,879	449,927	852,250	1,947,991	6,395,888
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	346,879	449,927	852,250	1,947,991	6,395,888
BEFORE TAX PRESENT VALUE (M$)					
0%	10,134,349	14,984,141	18,952,301	46,170,476	166,163,739
5%	2,524,611	4,012,116	5,611,912	13,014,651	42,979,503
8%	1,110,057	1,898,113	2,457,135	5,900,027	19,539,338
10%	590,818	1,120,360	1,216,699	3,247,372	11,183,932
12%	249,118	610,309	383,787	1,533,481	5,914,117
15%	-71,805	134,462	-391,839	7,311	1,309,562
20%	-346,224	-268,368	-1,005,360	-1,117,899	-2,056,043
AFTER TAX PRESENT VALUE (M$)					
0%	7,510,834	11,185,047	14,046,632	34,223,740	123,643,781
5%	1,740,512	2,840,584	3,751,297	8,866,915	29,892,928
8%	669,585	1,240,517	1,348,380	3,535,559	12,392,643
10%	276,642	652,924	413,119	1,577,796	6,241,238
12%	18,258	268,201	-208,387	331,969	2,414,331
15%	-223,850	-89,628	-777,023	-749,533	-855,302
20%	-428,986	-389,643	-1,205,655	-1,493,218	-3,108,801

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:45:44

WTI+$10/STB

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) +WTI$10**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	332,057	431,696	815,532	1,866,465	6,134,392
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	332,057	431,696	815,532	1,866,465	6,134,392
BEFORE TAX PRESENT VALUE (M$)					
0%	14,029,140	20,085,856	27,375,408	66,687,542	238,337,981
5%	3,796,216	5,686,288	9,079,982	20,441,752	66,085,788
8%	1,890,188	2,906,270	4,687,276	10,371,744	32,841,605
10%	1,187,165	1,879,435	2,932,536	6,554,966	20,809,169
12%	721,482	1,202,507	1,733,798	4,043,160	13,090,603
15%	278,777	564,856	584,838	1,735,111	6,150,860
20%	-111,464	11,771	-390,785	-107,356	708,784
AFTER TAX PRESENT VALUE (M$)					
0%	10,431,927	15,015,287	20,392,905	49,658,313	177,878,465
5%	2,700,132	4,103,281	6,378,079	14,473,346	47,297,115
8%	1,262,643	2,005,702	3,049,266	6,929,043	22,452,561
10%	732,798	1,232,274	1,729,546	4,099,822	13,547,515
12%	382,096	723,105	834,416	2,256,315	7,886,187
15%	49,275	244,584	-14,000	588,118	2,865,185
20%	-242,392	-167,794	-715,538	-696,455	-951,176

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:44:23

WTI-$10/STB

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) -WTI$10**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,165	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,165	2,320,753	7,659,253
Net After Royalty	352,871	457,525	867,412	1,981,963	6,504,443
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,165	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,165	2,320,753	7,659,253
Net After Royalty	352,871	457,525	867,412	1,981,963	6,504,443
BEFORE TAX PRESENT VALUE (M$)					
0%	8,830,591	13,293,102	16,166,805	39,365,383	142,148,562
5%	2,092,682	3,452,434	4,448,274	10,537,520	35,272,213
8%	842,005	1,557,914	1,701,560	4,401,254	15,089,627
10%	384,361	862,383	631,673	2,134,821	7,956,846
12%	84,450	407,588	-79,265	686,293	3,502,099
15%	-195,090	-14,378	-729,510	-578,910	-323,781
20%	-429,590	-366,572	-1,219,989	-1,463,170	-2,994,402
AFTER TAX PRESENT VALUE (M$)					
0%	6,533,016	9,913,989	11,946,825	29,104,329	105,599,047
5%	1,413,149	2,416,888	2,866,098	6,989,959	24,071,560
8%	464,057	980,491	767,795	2,389,889	9,008,299
10%	116,861	454,125	-40,103	721,029	3,771,824
12%	-110,478	110,547	-570,361	-325,926	555,591
15%	-321,772	-207,101	-1,044,838	-1,211,095	-2,129,052
20%	-496,965	-469,130	-1,380,187	-1,771,821	-3,856,777

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:45:27

NYMEX GAS +$1/MMBTU

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **NYMEX GAS +$1/MMBTU**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	344,688	447,347	846,422	1,934,618	6,360,766
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	344,688	447,347	846,422	1,934,618	6,360,766
BEFORE TAX PRESENT VALUE (M$)					
0%	10,898,736	16,028,293	20,533,063	50,261,682	179,795,171
5%	2,756,362	4,336,856	6,222,153	14,430,090	47,211,886
8%	1,246,115	2,087,004	2,833,164	6,726,374	21,922,531
10%	692,035	1,259,387	1,497,662	3,845,642	12,881,701
12%	327,301	716,424	598,406	1,977,641	7,160,137
15%	-15,723	209,241	-243,313	303,192	2,130,690
20%	-310,469	-221,891	-918,494	-954,038	-1,604,067
AFTER TAX PRESENT VALUE (M$)					
0%	8,084,124	11,969,651	15,240,335	37,303,884	133,894,671
5%	1,915,138	3,085,237	4,212,683	9,933,582	33,080,236
8%	772,704	1,383,480	1,633,746	4,160,193	14,193,466
10%	353,744	758,599	627,100	2,031,363	7,528,350
12%	78,159	349,271	-44,234	669,910	3,362,772
15%	-180,464	-31,994	-662,573	-522,974	-225,742
20%	-400,841	-353,230	-1,137,768	-1,366,184	-2,757,236

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:38:09

NYMEX GAS -$1/MMBTU

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **NYMEX GAS -$1/MMBTU**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,038	438,965	830,508	1,899,747	6,234,772
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,038	438,965	830,508	1,899,747	6,234,772
BEFORE TAX PRESENT VALUE (M$)					
0%	11,956,958	17,331,581	22,942,964	55,636,379	200,388,498
5%	3,138,936	4,802,498	7,300,472	16,500,696	54,045,103
8%	1,494,650	2,382,632	3,562,806	8,025,727	25,963,226
10%	888,615	1,489,568	2,077,821	4,834,050	15,861,309
12%	487,856	901,714	1,069,497	2,748,707	9,424,507
15%	108,284	349,713	112,898	855,841	3,701,549
20%	-222,901	-124,979	-679,312	-610,182	-667,822
AFTER TAX PRESENT VALUE (M$)					
0%	8,877,791	12,947,481	17,054,734	41,342,610	149,353,955
5%	2,205,305	3,437,881	5,034,662	11,502,748	38,237,909
8%	963,451	1,609,742	2,196,812	5,154,209	17,263,805
10%	506,029	936,293	1,079,114	2,793,377	9,805,446
12%	203,784	493,666	326,592	1,269,501	5,104,686
15%	-81,919	79,126	-377,634	-87,178	996,104
20%	-329,453	-274,609	-941,251	-1,088,318	-2,014,097

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:38:20

LOWER HEAVY DIFFERENTIAL - BOW RIVER PRICE +2%

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) +2% Bow River**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,002	439,055	830,233	1,898,325	6,236,856
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,002	439,055	830,233	1,898,325	6,236,856
BEFORE TAX PRESENT VALUE (M$)					
0%	12,419,080	17,980,455	23,900,089	58,174,623	208,419,678
5%	3,278,310	5,005,527	7,667,507	17,387,168	56,593,090
8%	1,575,851	2,500,658	3,786,966	8,545,044	27,413,929
10%	948,552	1,576,149	2,243,895	5,210,275	16,900,637
12%	533,693	967,418	1,195,013	3,027,773	10,190,390
15%	140,559	395,422	198,031	1,040,943	4,207,830
20%	-203,095	-97,410	-631,693	-509,190	-389,706
AFTER TAX PRESENT VALUE (M$)					
0%	9,224,382	13,434,815	17,777,785	43,254,108	155,396,263
5%	2,309,941	3,590,596	5,310,888	12,170,253	40,154,957
8%	1,024,489	1,698,770	2,365,267	5,545,995	18,357,419
10%	551,131	1,001,773	1,203,811	3,077,761	10,590,524
12%	238,319	543,512	420,752	1,480,943	5,684,663
15%	-57,552	113,991	-313,871	53,654	1,381,237
20%	-314,444	-253,365	-905,734	-1,010,870	-1,800,592

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 20, 2011 09:35:48

HIGHER HEAVY DIFFERENTIAL - BOW RIVER PRICE -2%

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) -2% Bow River**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	345,011	447,552	847,384	1,937,655	6,364,046
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	345,011	447,552	847,384	1,937,655	6,364,046
BEFORE TAX PRESENT VALUE (M$)					
0%	10,437,539	15,376,744	19,577,761	47,729,714	171,789,224
5%	2,616,965	4,131,544	5,854,095	13,543,036	44,668,735
8%	1,164,675	1,966,988	2,607,571	6,205,186	20,472,037
10%	631,787	1,171,008	1,330,104	3,467,215	11,841,000
12%	281,118	649,104	471,450	1,696,281	6,392,011
15%	-48,354	162,164	-329,735	115,906	1,621,657
20%	-330,595	-250,486	-967,094	-1,056,783	-1,884,801
AFTER TAX PRESENT VALUE (M$)					
0%	7,738,227	11,480,199	14,518,652	35,397,091	127,871,292
5%	1,810,306	2,930,798	3,935,134	9,265,820	31,165,643
8%	711,256	1,292,957	1,463,537	3,767,233	13,098,579
10%	308,157	691,770	500,578	1,745,577	6,740,743
12%	43,102	298,213	-140,192	457,010	2,779,599
15%	-205,367	-67,884	-727,999	-665,176	-614,410
20%	-416,349	-375,243	-1,174,637	-1,444,688	-2,974,007

BOE Factors:

HVY OIL	1.0	RES GAS	6.0	PROPANE	1.0	ETHANE	1.0
COND	1.0	SLN GAS	6.0	BUTANE	1.0	SULPHUR	0.0

Run Date: December 19, 2011 11:44:56

FX +$0.01US/CDN

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) +0.01 Exchange**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	342,511	444,551	841,240	1,923,425	6,317,704
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	342,511	444,551	841,240	1,923,425	6,317,704
BEFORE TAX PRESENT VALUE (M$)					
0%	11,151,801	16,316,210	21,135,090	51,482,490	184,923,332
5%	2,858,528	4,451,420	6,514,011	14,936,675	48,977,872
8%	1,316,089	2,164,107	3,039,400	7,058,624	22,994,259
10%	748,998	1,321,495	1,665,967	4,105,502	13,685,901
12%	374,968	767,931	738,330	2,185,690	7,781,716
15%	22,192	249,778	-134,183	457,639	2,572,200
20%	-282,723	-192,583	-842,107	-853,140	-1,331,921
AFTER TAX PRESENT VALUE (M$)					
0%	8,273,923	12,185,523	15,692,841	38,219,985	137,740,403
5%	1,992,896	3,172,316	4,436,359	10,318,894	34,415,017
8%	826,710	1,442,869	1,794,393	4,416,118	15,010,312
10%	398,172	806,926	759,761	2,233,481	8,145,509
12%	115,743	389,779	67,406	833,413	3,843,437
15%	-150,073	409	-573,900	-399,628	119,945
20%	-378,008	-329,181	-1,073,885	-1,283,423	-2,539,425

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:41:25

FX -$0.01US/CDN

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Description: **Total Properties**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **Sunshine (GLJ (2011-10)) -0.01 Exchange**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	340,255	441,804	835,634	1,910,998	6,277,956
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	340,255	441,804	835,634	1,910,998	6,277,956
BEFORE TAX PRESENT VALUE (M$)					
0%	11,712,290	17,053,420	22,346,966	54,447,021	195,369,554
5%	3,040,308	4,692,417	7,012,061	16,007,557	52,315,241
8%	1,427,165	2,308,811	3,359,406	7,702,501	24,912,590
10%	833,699	1,430,224	1,912,059	4,581,324	15,072,427
12%	441,909	852,578	931,870	2,546,400	8,814,325
15%	71,727	311,102	5,745	705,643	3,267,618
20%	-249,693	-152,874	-754,164	-708,398	-935,863
AFTER TAX PRESENT VALUE (M$)					
0%	8,694,289	12,738,931	16,606,801	40,450,165	145,590,287
5%	2,130,210	3,354,175	4,814,352	11,127,568	36,930,325
8%	911,324	1,552,828	2,039,239	4,905,101	16,462,895
10%	463,151	890,054	949,354	2,596,661	9,199,899
12%	167,505	454,952	217,678	1,110,357	4,632,694
15%	-111,276	48,185	-463,848	-207,286	656,224
20%	-351,553	-297,581	-1,003,115	-1,169,019	-2,228,713

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:44:42

Diluent + $5.00/BBL

Company:	**Sunshine Oilsands Ltd.**	Reserve Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**Diluent + $5.00/BBL**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	344,633	447,104	846,476	1,936,081	6,360,690
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	344,633	447,104	846,476	1,936,081	6,360,690
BEFORE TAX PRESENT VALUE (M$)					
0%	10,533,811	15,502,572	19,781,366	48,133,027	172,712,004
5%	2,651,526	4,176,415	5,941,694	13,688,296	44,963,852
8%	1,187,435	1,995,785	2,665,755	6,292,579	20,641,849
10%	650,041	1,193,669	1,375,910	3,531,859	11,963,839
12%	296,267	667,573	508,348	1,745,340	6,483,577
15%	-36,348	176,453	-302,078	149,686	1,683,404
20%	-321,744	-240,274	-948,654	-1,037,051	-1,849,572
AFTER TAX PRESENT VALUE (M$)					
0%	7,810,430	11,574,762	14,672,167	35,700,656	128,564,869
5%	1,836,636	2,964,904	4,001,928	9,375,618	31,388,237
8%	728,879	1,315,146	1,508,452	3,833,711	13,227,355
10%	322,467	709,425	536,291	1,795,028	6,834,356
12%	55,133	312,774	-111,112	494,784	2,849,785
15%	-195,646	-56,409	-705,823	-638,876	-566,600
20%	-408,964	-366,794	-1,159,415	-1,429,004	-2,946,200

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:31

Diluent - $5.00/BBL

Company:	**Sunshine Oilsands Ltd.**	Reserve Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**Diluent - $5.00/BBL**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,333	439,470	831,038	1,899,660	6,239,432
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	338,333	439,470	831,038	1,899,660	6,239,432
BEFORE TAX PRESENT VALUE (M$)					
0%	12,323,303	17,856,895	23,698,398	57,775,093	207,519,362
5%	3,244,219	4,962,306	7,581,749	17,243,760	56,301,651
8%	1,553,525	2,473,220	3,730,393	8,459,013	27,245,161
10%	930,704	1,554,682	2,199,535	5,146,769	16,778,119
12%	518,919	949,999	1,159,399	2,979,676	10,098,795
15%	128,881	381,998	171,436	1,007,919	4,145,855
20%	-211,689	-106,991	-649,371	-528,410	-425,185
AFTER TAX PRESENT VALUE (M$)					
0%	9,152,550	13,342,064	17,625,705	42,953,382	154,719,471
5%	2,284,081	3,557,739	5,245,761	12,061,733	39,935,616
8%	1,007,342	1,677,604	2,321,910	5,480,395	18,230,036
10%	537,289	985,016	1,169,550	3,029,008	10,497,793
12%	226,741	529,739	393,006	1,443,726	5,615,102
15%	-66,851	103,166	-334,890	27,753	1,333,885
20%	-321,466	-261,339	-920,064	-1,026,333	-1,828,030

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:42

CAPEX +5%

Company:	**Sunshine Oilsands Ltd.**	Resource Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**CAPEX +5%**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	343,255	445,216	843,112	1,928,270	6,329,767
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	343,255	445,216	843,112	1,928,270	6,329,767
BEFORE TAX PRESENT VALUE (M$)					
0%	11,139,898	16,372,448	21,048,110	51,258,506	184,866,933
5%	2,813,043	4,419,344	6,364,708	14,657,019	48,389,326
8%	1,266,323	2,118,167	2,886,219	6,791,949	22,383,805
10%	698,415	1,271,513	1,515,214	3,852,722	13,094,040
12%	324,393	716,020	591,994	1,948,199	7,219,119
15%	-27,525	197,153	-272,115	243,279	2,060,494
20%	-330,016	-243,722	-964,887	-1,032,204	-1,760,341
AFTER TAX PRESENT VALUE (M$)					
0%	8,260,499	12,225,083	15,617,918	38,031,921	137,645,440
5%	1,950,471	3,139,084	4,299,011	10,061,470	33,848,970
8%	780,355	1,398,263	1,651,875	4,167,963	14,430,364
10%	350,934	758,965	618,671	1,997,127	7,584,769
12%	68,342	340,189	-70,274	610,436	3,310,723
15%	-196,955	-49,824	-704,601	-602,030	-365,303
20%	-423,049	-378,208	-1,191,420	-1,453,973	-2,947,878

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:03

1121333 Class (I,R,CR1,CR2,CR3), CAPEX +5%, psum February 07, 2012 14:06:52

CAPEX -5%

Company:	**Sunshine Oilsands Ltd.**	Resource Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**CAPEX -5%**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	339,504	441,101	833,872	1,906,309	6,266,560
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	339,504	441,101	833,872	1,906,309	6,266,560
BEFORE TAX PRESENT VALUE (M$)					
0%	11,718,514	16,987,940	22,432,322	54,657,259	195,380,313
5%	3,083,540	4,720,176	7,159,987	16,281,475	52,897,261
8%	1,475,345	2,351,536	3,511,127	7,964,881	25,521,003
10%	882,966	1,477,471	2,061,336	4,830,386	15,663,254
12%	491,365	902,120	1,076,750	2,780,614	9,376,275
15%	120,544	361,782	142,305	917,256	3,778,804
20%	-203,052	-103,180	-632,546	-531,381	-508,011
AFTER TAX PRESENT VALUE (M$)					
0%	8,703,454	12,692,434	16,680,454	40,627,850	145,650,871
5%	2,170,934	3,384,158	4,950,034	11,380,644	37,491,368
8%	956,474	1,595,011	2,179,895	5,149,987	17,041,190
10%	509,384	935,948	1,088,533	2,830,178	9,759,735
12%	214,049	502,749	353,455	1,330,826	5,164,793
15%	-65,088	96,942	-334,966	-6,993	1,140,953
20%	-307,021	-249,655	-887,153	-1,000,050	-1,820,807

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:12

NON-FUEL OPEX +5%

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Scenario: **NON-FUEL OPEX +5%**
Description: **Total Properties**
Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	342,593	444,803	841,479	1,923,903	6,320,683
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	342,593	444,803	841,479	1,923,903	6,320,683
BEFORE TAX PRESENT VALUE (M$)					
0%	11,214,088	16,402,119	21,244,042	51,801,107	186,088,270
5%	2,875,918	4,477,619	6,555,923	15,047,833	49,334,434
8%	1,325,029	2,178,025	3,063,522	7,120,345	23,183,247
10%	754,880	1,330,869	1,682,746	4,147,885	13,812,711
12%	378,873	774,343	750,010	2,215,106	7,868,097
15%	24,288	253,469	-127,458	474,891	2,621,739
20%	-282,114	-191,136	-839,666	-845,992	-1,311,957
AFTER TAX PRESENT VALUE (M$)					
0%	8,320,638	12,249,492	15,771,812	38,453,182	138,604,816
5%	2,005,841	3,191,832	4,467,049	10,401,197	34,680,637
8%	833,281	1,453,176	1,811,955	4,461,732	15,150,708
10%	402,432	813,815	771,862	2,264,663	8,239,322
12%	118,508	394,438	75,701	854,896	3,906,930
15%	-148,679	3,017	-569,313	-387,253	155,804
20%	-377,741	-328,266	-1,072,499	-1,278,602	-2,525,710

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:51

1121333 Class (I,R,CR1,CR2,CR3), NON-FUEL OPEX +5%, psum February 07, 2012 14:06:53

NON-FUEL OPEX -5%

Company: **Sunshine Oilsands Ltd.**
Property: **Corporate**
Scenario: **NON-FUEL OPEX -5%**
Description: **Total Properties**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES					
Heavy Oil (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	340,158	441,559	835,408	1,910,501	6,274,986
Oil Equivalent (Mbbl)					
Total Company Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Working Interest	413,856	551,794	1,006,248	2,320,753	7,659,253
Net After Royalty	340,158	441,559	835,408	1,910,501	6,274,986
BEFORE TAX PRESENT VALUE (M$)					
0%	11,643,289	16,960,896	22,227,271	54,098,067	194,103,963
5%	3,020,631	4,664,231	6,965,944	15,885,860	51,928,321
8%	1,416,814	2,293,747	3,332,647	7,634,680	24,706,820
10%	826,742	1,420,005	1,893,279	4,534,569	14,933,792
12%	437,160	845,514	918,633	2,513,777	8,719,347
15%	69,016	306,941	-2,094	686,298	3,212,467
20%	-250,697	-154,632	-757,300	-716,666	-958,905
AFTER TAX PRESENT VALUE (M$)					
0%	8,642,539	12,669,996	16,519,722	40,194,146	144,650,149
5%	2,115,541	3,333,157	4,780,467	11,037,315	36,641,818
8%	903,682	1,541,648	2,019,656	4,854,862	16,309,789
10%	458,071	882,515	935,707	2,562,147	9,097,089
12%	164,093	449,788	208,170	1,086,416	4,562,622
15%	-113,146	45,207	-469,317	-221,282	616,027
20%	-352,133	-298,747	-1,005,066	-1,174,728	-2,244,857

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:38:00

ACCELERATE 1 YEAR

Company:	**Sunshine Oilsands Ltd.**	Resource Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**ACCELERATE 1 YEAR**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Best Estimate Contingent Resources
MARKETABLE RESOURCES		
Heavy Oil (Mbbl)		
Total Company Interest	413,856	2,320,753
Working Interest	413,856	2,320,753
Net After Royalty	341,504	1,918,414
Oil Equivalent (Mbbl)		
Total Company Interest	413,856	2,320,753
Working Interest	413,856	2,320,753
Net After Royalty	341,504	1,918,414
BEFORE TAX PRESENT VALUE (M$)		
0%	11,232,620	51,951,559
5%	3,061,615	15,953,006
8%	1,479,793	7,840,065
10%	882,587	4,709,098
12%	479,520	2,622,757
15%	87,015	680,234
20%	-273,672	-894,192
AFTER TAX PRESENT VALUE (M$)		
0%	8,336,301	38,582,761
5%	2,143,690	11,060,197
8%	944,483	4,956,882
10%	490,891	2,626,838
12%	184,171	1,089,712
15%	-115,221	-319,305
20%	-391,098	-1,419,229

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:36:49

DELAY 1 YEAR

Company:	**Sunshine Oilsands Ltd.**	Resource Class:	**Various**
Property:	**Corporate**	Development Class:	**Classifications**
Scenario:	**DELAY 1 YEAR**	Pricing:	**GLJ (2011-10)**
Description:	**Total Properties**	Effective Date:	**November 30, 2011**

Summary of Resources and Values

	Total Proved Plus Probable	Best Estimate Contingent Resources
MARKETABLE RESOURCES		
Heavy Oil (Mbbl)		
Total Company Interest	413,856	2,320,753
Working Interest	413,856	2,320,753
Net After Royalty	341,241	1,916,042
Oil Equivalent (Mbbl)		
Total Company Interest	413,856	2,320,753
Working Interest	413,856	2,320,753
Net After Royalty	341,241	1,916,042
BEFORE TAX PRESENT VALUE (M$)		
0%	11,625,499	53,974,456
5%	2,846,400	15,002,733
8%	1,279,477	6,951,158
10%	719,031	4,011,791
12%	358,098	2,141,799
15%	28,768	505,881
20%	-238,072	-670,533
AFTER TAX PRESENT VALUE (M$)		
0%	8,597,521	40,114,423
5%	1,984,908	10,398,448
8%	806,748	4,387,051
10%	386,451	2,227,057
12%	116,769	874,601
15%	-127,462	-277,522
20%	-320,970	-1,048,301

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 19, 2011 11:37:21

1121333 Class (I,CR2), DELAY 1 YEAR, psum February 07, 2012 14:06:55

GLJ Petroleum Consultants

APPENDIX I

CERTIFICATES OF QUALIFICATION

Keith M. Braaten
Caralyn P. Bennett
Mirek Zaoral
Jason E. Paul
Kevin J. Trickett
Patrick A. Olenick
Don M. Mikalson
William M. Spackman
Miranda L. Stoffman
Sarah C. Taylor
Charlene A. Maines
Christina K. Mielke

CERTIFICATION OF QUALIFICATION

I, Keith M. Braaten, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am a principal officer of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Saskatchewan and that I graduated with a Bachelor of Science Degree in Mechanical Engineering in 1979; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of thirty-two years of experience in engineering studies relating to Canadian and International oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Keith M. Braaten, P. Eng.

CERTIFICATION OF QUALIFICATION

I, Caralyn P. Bennett, Professional Engineer, 4100, 400 – 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Waterloo where I graduated with an Honours Bachelor of Science Degree in Geological Engineering in 1987; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of twenty-six years experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Caralyn P. Bennett, P. Eng.

CERTIFICATION OF QUALIFICATION

I, Mirek Zaoral, Professional Geologist, 4100, 400 – 3rd Avenue S.W. Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary and that I graduated in 1977 with a Bachelor of Science Degree with honours in Geology; that I am a registered Professional Geologist in the Province of Alberta; and, that I have in excess of thirty-four years experience in geological studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Mirek Zaoral, P. Geol.

CERTIFICATION OF QUALIFICATION

I, Jason E. Paul, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor of Science Degree in Mechanical Engineering in 1998; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of thirteen years experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Jason E. Paul, P. Eng.

CERTIFICATION OF QUALIFICATION

I, Kevin J. Trickett, Professional Geologist, 4100, 400 – 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Western Ontario and that I graduated in 1981 with a Bachelor of Science Degree (Honors) in Geology; that I am a Registered Professional Geologist in the Province of Alberta; and, that I have in excess of twenty-seven years experience in geological studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Kevin J. Trickett, P. Geol.

CERTIFICATION OF QUALIFICATION

I, Patrick A. Olenick, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor of Science Degree in Mechanical Engineering in 2003; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of nine years experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Patrick A. Olenick, P. Eng.

CERTIFICATION OF QUALIFICATION

I, Don M. Mikalson, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor's Degree in Mechanical Engineering in 2006; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of six years experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

\

ORIGINALLY SIGNED BY

Don M. Mikalson, P. Eng.

CERTIFICATION OF QUALIFICATION

I, William M. Spackman, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor of Science Degree in Chemical Engineering in 2006; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of five years of experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

William M. Spackman, P Eng.

CERTIFICATION OF QUALIFICATION

I, Miranda L. Stoffman, Professional Geologist, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with two Bachelor of Science Degrees in Geology and Applied and Environmental Geology in 2005; that I am a Registered Professional Geologist in the Province of Alberta; and, that I have in excess of five years of experience in geological studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Miranda L. Stoffman, P. Geol.

CERTIFICATION OF QUALIFICATION

I, Sarah C. Taylor, Professional Geologist, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor of Science Degree in Geology in 2003; that I am a Registered Professional Geologist in the Province of Alberta; and, that I have in excess of eight years of experience in geological studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Sarah C. Taylor, P. Geol.

CERTIFICATION OF QUALIFICATION

I, Charlene A. Maines, Professional Geologist, c/o 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I have been retained by GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Waterloo where I graduated with a Bachelor of Science in Earth Sciences (Geology) in 1983; that I am a Registered Professional Geologist in the Province of Alberta; and, that I have in excess of twenty-five years experience in geological studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Charlene A. Maines, P. Geol.

CERTIFICATION OF QUALIFICATION

I, Christina K. Mielke, Professional Engineer, c/o 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

1. That I have been retained by GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Canadian oil sands properties of Sunshine Oilsands Ltd. (the "Company"). The effective date of this evaluation is 30 November 2011.

2. That I do not have, nor do I expect to receive any direct or indirect interest in the securities of the Company or its affiliated companies.

3. That I attended the University of Calgary where I graduated with a Bachelor of Science Degree in Civil Engineering in 1998, that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of twelve years experience in engineering studies relating to Western Canadian oil and gas fields.

4. That a personal field inspection of the properties was not made; however, such an inspection was not considered necessary in view of the information available from public information and records, the files of the Company, and the appropriate provincial regulatory authorities.

ORIGINALLY SIGNED BY

Christina K. Mielke, P. Eng.

SUNSHINE OILSANDS LTD.

COMPETENT PERSON'S REPORT FOR PETROLEUM RESERVES AND RESOURCES

PROPERTY REPORTS

EFFECTIVE 30 NOVEMBER 2011

1121333

PROPERTY REPORTS OF MAJOR AREAS

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SUNSHINE OILSANDS LTD.

ELLS/LEGEND LAKE

EFFECTIVE 30 NOVEMBER 2011

Prepared by
Kevin J. Trickett, P. Geol.
Christina Mielke, P. Eng.

The analysis of this property as reported herein was conducted within the context of an evaluation of a distinct group of properties in aggregate. Extraction and use of this analysis outside this context may not be appropriate without supplementary due diligence.

ELLS/LEGEND LAKE

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Region Economic Summaries		

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP
MARKETABLE RESERVES		
Heavy Oil (Mbbl)		
Gross Lease	249,538	333,171
Total Company Interest	249,538	333,171
Net After Royalty	206,273	267,312
Oil Equivalent (Mbbl)		
Gross Lease	249,538	333,171
Total Company Interest	249,538	333,171
Net After Royalty	206,273	267,312
BEFORE TAX PRESENT VALUE (MM$)		
0%	6,922	10,285
5%	1,942	2,990
8%	949	1,527
10%	572	977
12%	318	611
15%	73	261
20%	-146	-47
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)		
2011 (1 Months)	-51,600	-51,600
2012	-215,340	-215,340
2013	-225,041	-207,522
2014	-134,333	-139,612
2015	-131,963	-176,014
2016	45,786	-26,280

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 13:27:38

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

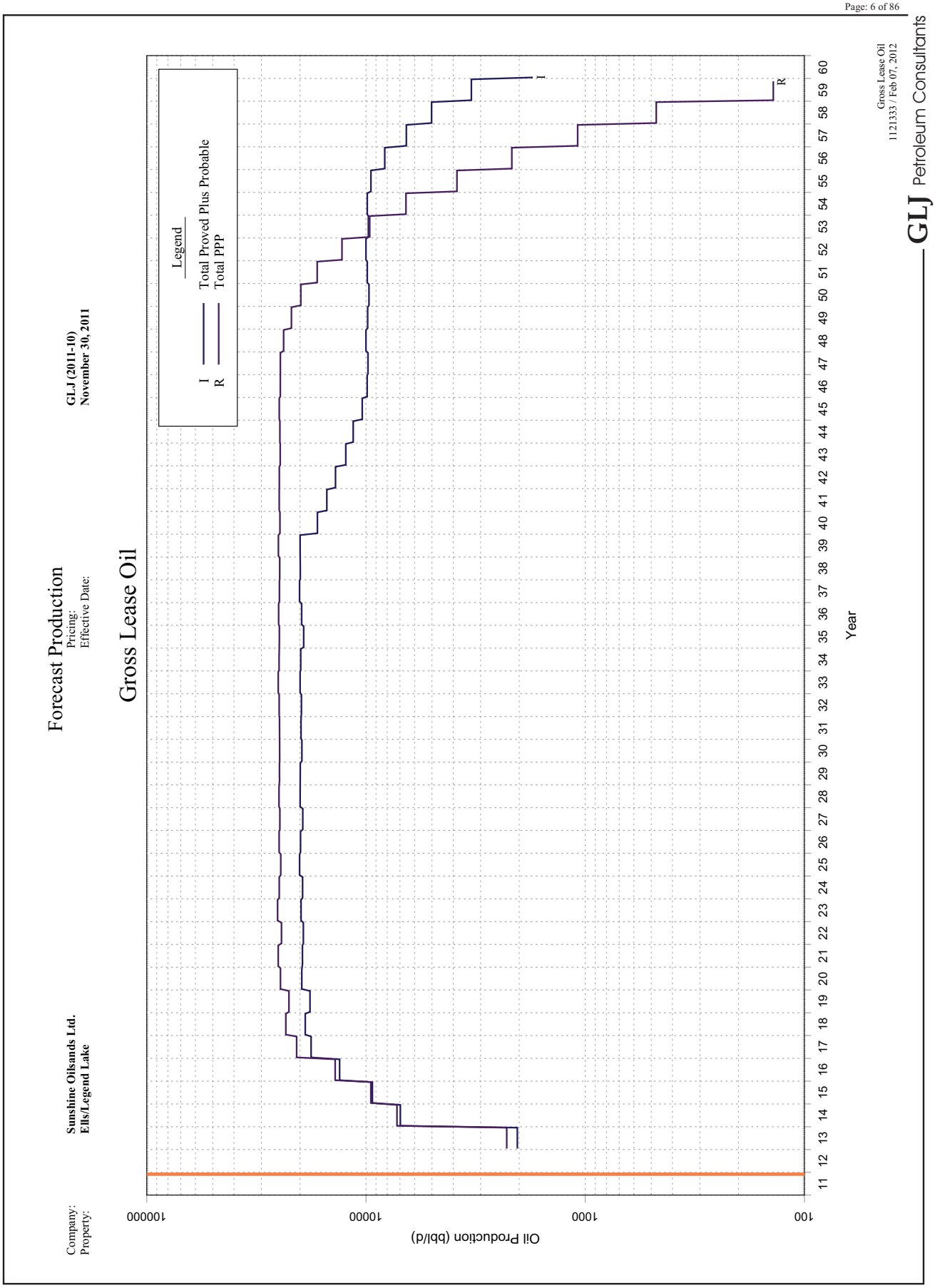
Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

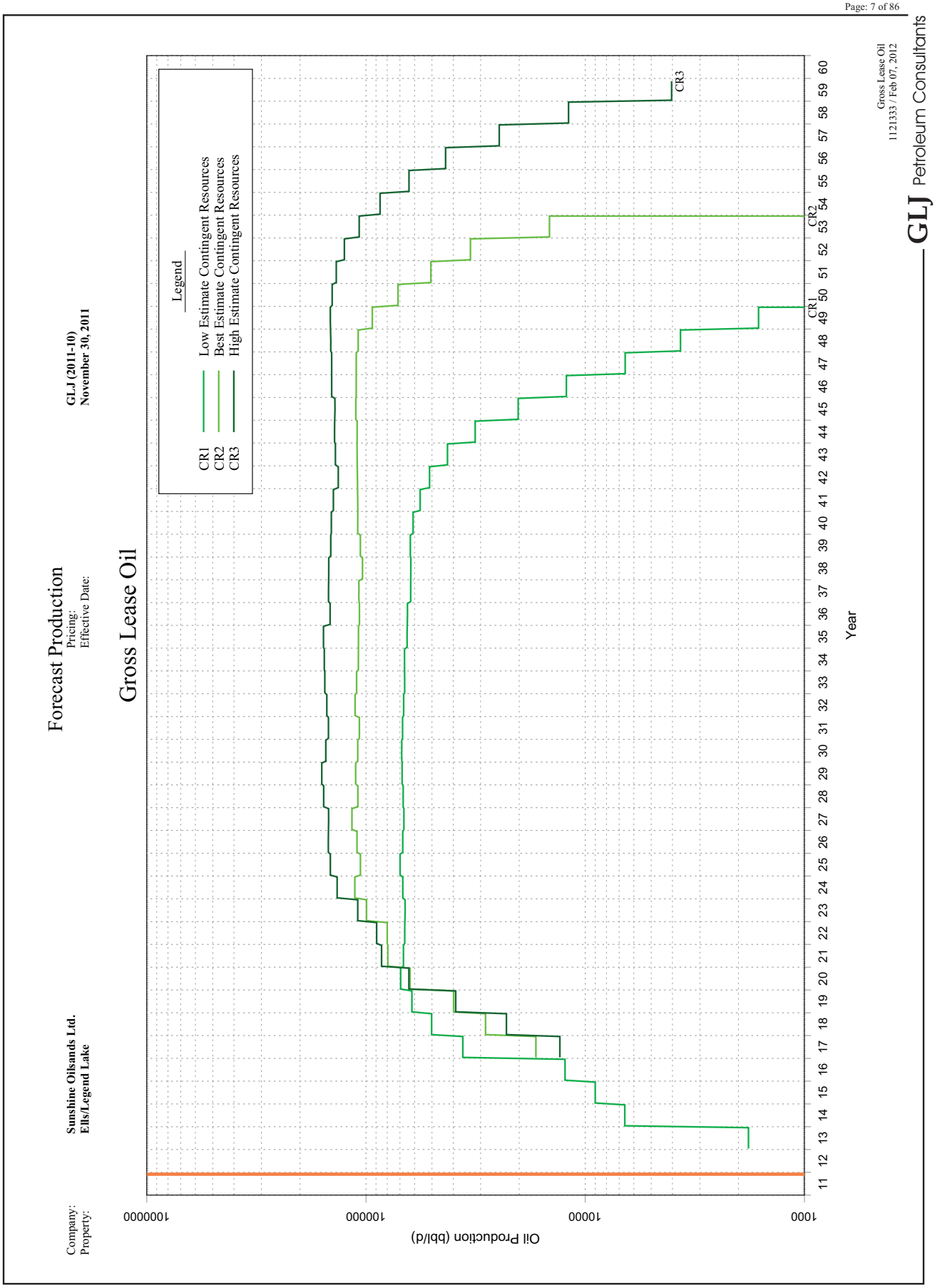
Summary of Resources and Values

	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES			
Heavy Oil (Mbbl)			
Gross Lease	656,678	1,230,917	1,815,722
Total Company Interest	656,678	1,230,917	1,815,722
Net After Royalty	542,167	998,407	1,421,834
Oil Equivalent (Mbbl)			
Gross Lease	656,678	1,230,917	1,815,722
Total Company Interest	656,678	1,230,917	1,815,722
Net After Royalty	542,167	998,407	1,421,834
BEFORE TAX PRESENT VALUE (MM$)			
0%	15,147	32,324	58,577
5%	4,979	9,031	14,997
8%	2,537	4,383	7,188
10%	1,559	2,699	4,476
12%	890	1,626	2,788
15%	247	676	1,322
20%	-303	-40	232
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)			
2011 (1 Months)	-51,600	0	0
2012	-220,271	-7,644	-8,460
2013	-247,532	-7,831	-8,663
2014	-244,751	-107,405	-96,283
2015	-473,085	-325,387	-260,939
2016	-1,085,646	-880,825	-687,708

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 13:27:41


Forecast Production
Pricing:
Effective Date:
GLJ (2011-10)
November 30, 2011
Company:
Property:
Sunshine Oilsands Ltd.
Ells/Legend Lake
Gross Lease Oil
Legend
I
R
Total Proved Plus Probable
Total PPP
Oil Production (bbl/d)
100000
10000
1000
100
Year
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Gross Lease Oil
1121333 / Feb 07, 2012
GLJ Petroleum Consultants


Forecast Production
Pricing:
Effective Date:
GLJ (2011-10)
November 30, 2011
Gross Lease Oil
Company:
Property:
Sunshine Oilsands Ltd.
Ells/Legend Lake
Legend
CR1
CR2
CR3
Low Estimate Contingent Resources
Best Estimate Contingent Resources
High Estimate Contingent Resources
Oil Production (bbl/d)
1000000
100000
10000
1000
Year
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
CR1
CR2
CR3
Gross Lease Oil
1121333 / Feb 07, 2012
GLJ Petroleum Consultants

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Reserves and Present Value Summary

Entity Description	Gross Lease Reserves				Company Interest Reserves				Net Interest Reserves				Before Income Tax Discounted Present Value (MM$)						
	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	0%	5%	8%	10%	12%	15%	20%
Total Proved Plus Probable																			
Legend Lake & SW Ells																			
Legend Lake	0.0	91.06	0.00	0	0.0	91.06	0.00	0	0.0	77.67	0.00	0	2,061	663	310	166	66	-30	-110
Total: Legend Lake & SW Ells	**0.0**	**91.06**	**0.00**	**0**	**0.0**	**91.06**	**0.00**	**0**	**0.0**	**77.67**	**0.00**	**0**	**2,061**	**663**	**310**	**166**	**66**	**-30**	**-110**
West Ells Total																			
West Ells	0.0	158.48	0.00	0	0.0	158.48	0.00	0	0.0	128.60	0.00	0	4,862	1,279	639	407	252	103	-35
Total: West Ells Total	**0.0**	**158.48**	**0.00**	**0**	**0.0**	**158.48**	**0.00**	**0**	**0.0**	**128.60**	**0.00**	**0**	**4,862**	**1,279**	**639**	**407**	**252**	**103**	**-35**
Total: Total Proved Plus Probable	**0.0**	**249.54**	**0.00**	**0**	**0.0**	**249.54**	**0.00**	**0**	**0.0**	**206.27**	**0.00**	**0**	**6,922**	**1,942**	**949**	**572**	**318**	**73**	**-146**
Total PPP																			
Legend Lake & SW Ells																			
Legend Lake	0.0	124.31	0.00	0	0.0	124.31	0.00	0	0.0	102.76	0.00	0	3,635	1,012	473	271	139	16	-84
Total: Legend Lake & SW Ells	**0.0**	**124.31**	**0.00**	**0**	**0.0**	**124.31**	**0.00**	**0**	**0.0**	**102.76**	**0.00**	**0**	**3,635**	**1,012**	**473**	**271**	**139**	**16**	**-84**
West Ells Total																			
West Ells	0.0	208.87	0.00	0	0.0	208.87	0.00	0	0.0	164.55	0.00	0	6,650	1,978	1,054	706	472	245	37
Total: West Ells Total	**0.0**	**208.87**	**0.00**	**0**	**0.0**	**208.87**	**0.00**	**0**	**0.0**	**164.55**	**0.00**	**0**	**6,650**	**1,978**	**1,054**	**706**	**472**	**245**	**37**
Total: Total PPP	**0.0**	**333.17**	**0.00**	**0**	**0.0**	**333.17**	**0.00**	**0**	**0.0**	**267.31**	**0.00**	**0**	**10,285**	**2,990**	**1,527**	**977**	**611**	**261**	**-47**
Low Estimate Contingent Resources																			
Legend Lake & SW Ells																			
Legend Lake	0.0	255.19	0.00	0	0.0	255.19	0.00	0	0.0	212.16	0.00	0	5,560	1,752	838	477	234	8	-171
Total: Legend Lake & SW Ells	**0.0**	**255.19**	**0.00**	**0**	**0.0**	**255.19**	**0.00**	**0**	**0.0**	**212.16**	**0.00**	**0**	**5,560**	**1,752**	**838**	**477**	**234**	**8**	**-171**
West Ells Total																			
West Ells	0.0	401.49	0.00	0	0.0	401.49	0.00	0	0.0	330.00	0.00	0	9,587	3,227	1,699	1,082	656	239	-132
Total: West Ells Total	**0.0**	**401.49**	**0.00**	**0**	**0.0**	**401.49**	**0.00**	**0**	**0.0**	**330.00**	**0.00**	**0**	**9,587**	**3,227**	**1,699**	**1,082**	**656**	**239**	**-132**
Total: Low Estimate Contingent Resources	**0.0**	**656.68**	**0.00**	**0**	**0.0**	**656.68**	**0.00**	**0**	**0.0**	**542.17**	**0.00**	**0**	**15,147**	**4,979**	**2,537**	**1,559**	**890**	**247**	**-303**
Best Estimate Contingent Resources																			
Legend Lake & SW Ells																			
Legend Lake	0.0	448.53	0.00	0	0.0	448.53	0.00	0	0.0	366.33	0.00	0	11,479	3,078	1,464	891	532	222	-3
SW Ells	0.0	37.10	0.00	0	0.0	37.10	0.00	0	0.0	32.11	0.00	0	631	115	25	-4	-19	-29	-31
Total: Legend Lake & SW Ells	**0.0**	**485.63**	**0.00**	**0**	**0.0**	**485.63**	**0.00**	**0**	**0.0**	**398.44**	**0.00**	**0**	**12,110**	**3,194**	**1,488**	**887**	**513**	**193**	**-34**

Reserves and Present Value Summary

Entity Description	Gross Lease Reserves				Company Interest Reserves				Net Interest Reserves				Before Income Tax Discounted Present Value (MM$)						
	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	0%	5%	8%	10%	12%	15%	20%
Best Estimate Contingent Resources (Cont.)																			
West Ells Total																			
West Ells	0.0	745.29	0.00	0	0.0	745.29	0.00	0	0.0	599.97	0.00	0	20,214	5,837	2,894	1,811	1,112	483	-6
Total: West Ells Total	**0.0**	**745.29**	**0.00**	**0**	**0.0**	**745.29**	**0.00**	**0**	**0.0**	**599.97**	**0.00**	**0**	**20,214**	**5,837**	**2,894**	**1,811**	**1,112**	**483**	**-6**
Total: Best Estimate Contingent Resources	**0.0**	**1,230.92**	**0.00**	**0**	**0.0**	**1,230.92**	**0.00**	**0**	**0.0**	**998.41**	**0.00**	**0**	**32,324**	**9,031**	**4,383**	**2,699**	**1,626**	**676**	**-40**
2P + Best Estimate Contingent Resources																			
Legend Lake & SW Ells																			
Legend Lake	0.0	539.59	0.00	0	0.0	539.59	0.00	0	0.0	444.00	0.00	0	13,540	3,741	1,773	1,057	599	192	-113
SW Ells	0.0	37.10	0.00	0	0.0	37.10	0.00	0	0.0	32.11	0.00	0	631	115	25	-4	-19	-29	-31
Total: Legend Lake & SW Ells	**0.0**	**576.69**	**0.00**	**0**	**0.0**	**576.69**	**0.00**	**0**	**0.0**	**476.11**	**0.00**	**0**	**14,170**	**3,857**	**1,798**	**1,053**	**579**	**163**	**-144**
West Ells Total																			
West Ells	0.0	903.77	0.00	0	0.0	903.77	0.00	0	0.0	728.57	0.00	0	25,076	7,116	3,534	2,218	1,364	586	-42
Total: West Ells Total	**0.0**	**903.77**	**0.00**	**0**	**0.0**	**903.77**	**0.00**	**0**	**0.0**	**728.57**	**0.00**	**0**	**25,076**	**7,116**	**3,534**	**2,218**	**1,364**	**586**	**-42**
Total: 2P + Best Estimate Contingent Resources	**0.0**	**1,480.46**	**0.00**	**0**	**0.0**	**1,480.46**	**0.00**	**0**	**0.0**	**1,204.68**	**0.00**	**0**	**39,246**	**10,973**	**5,332**	**3,271**	**1,944**	**749**	**-186**
High Estimate Contingent Resources																			
Legend Lake & SW Ells																			
Legend Lake	0.0	673.28	0.00	0	0.0	673.28	0.00	0	0.0	530.15	0.00	0	20,449	5,634	2,810	1,801	1,160	593	159
SW Ells	0.0	131.10	0.00	0	0.0	131.10	0.00	0	0.0	108.50	0.00	0	3,309	710	270	128	45	-18	-51
Total: Legend Lake & SW Ells	**0.0**	**804.38**	**0.00**	**0**	**0.0**	**804.38**	**0.00**	**0**	**0.0**	**638.65**	**0.00**	**0**	**23,758**	**6,343**	**3,081**	**1,928**	**1,206**	**575**	**108**
West Ells Total																			
West Ells	0.0	1,011.34	0.00	0	0.0	1,011.34	0.00	0	0.0	783.18	0.00	0	34,819	8,654	4,108	2,548	1,582	747	124
Total: West Ells Total	**0.0**	**1,011.34**	**0.00**	**0**	**0.0**	**1,011.34**	**0.00**	**0**	**0.0**	**783.18**	**0.00**	**0**	**34,819**	**8,654**	**4,108**	**2,548**	**1,582**	**747**	**124**
Total: High Estimate Contingent Resources	**0.0**	**1,815.72**	**0.00**	**0**	**0.0**	**1,815.72**	**0.00**	**0**	**0.0**	**1,421.83**	**0.00**	**0**	**58,577**	**14,997**	**7,188**	**4,476**	**2,788**	**1,322**	**232**
3P + High Estimate Contingent Resources																			
Legend Lake & SW Ells																			
Legend Lake	0.0	797.59	0.00	0	0.0	797.59	0.00	0	0.0	632.91	0.00	0	24,084	6,645	3,283	2,072	1,299	609	75
SW Ells	0.0	131.10	0.00	0	0.0	131.10	0.00	0	0.0	108.50	0.00	0	3,309	710	270	128	45	-18	-51
Total: Legend Lake & SW Ells	**0.0**	**928.69**	**0.00**	**0**	**0.0**	**928.69**	**0.00**	**0**	**0.0**	**741.41**	**0.00**	**0**	**27,393**	**7,355**	**3,554**	**2,200**	**1,344**	**591**	**24**
West Ells Total																			
West Ells	0.0	1,220.20	0.00	0	0.0	1,220.20	0.00	0	0.0	947.73	0.00	0	41,469	10,632	5,161	3,253	2,054	992	161
Total: West Ells Total	**0.0**	**1,220.20**	**0.00**	**0**	**0.0**	**1,220.20**	**0.00**	**0**	**0.0**	**947.73**	**0.00**	**0**	**41,469**	**10,632**	**5,161**	**3,253**	**2,054**	**992**	**161**
Total: 3P + High Estimate Contingent Resources	**0.0**	**2,148.89**	**0.00**	**0**	**0.0**	**2,148.89**	**0.00**	**0**	**0.0**	**1,689.15**	**0.00**	**0**	**68,862**	**17,988**	**8,715**	**5,453**	**3,399**	**1,583**	**185**

GENERAL

Sunshine Oilsands Ltd.'s (the Company) Ells/Legend Lake property is located in Townships 093 through 096, Ranges 17 through 21 W4M, approximately 75 miles northwest of Fort McMurray, Alberta, at the edge of the Athabasca Bitumen Deposit, as illustrated on Map 1. The property is comprised of three lease blocks named West Ells, SW Ells and Legend Lake.

The Wabiskaw Member contains bitumen-saturated sands of up to 21 metres in thickness in the property and is prospective for in-situ recovery by Steam Assisted Gravity Drainage (SAGD) from horizontal wells. The top of the reservoir varies from 250 metres deep in the southern portion of West Ells to approximately 480 metres deep in Legend Lake.

In March 2010, the Company filed an application for a 10,000 bopd West Ells commercial scale project utilizing the SAGD process. Current estimates are for the project to be operational in the second quarter of 2013. In November 2011, the Company submitted an additional 10,000 bopd application for a commercial scale project in Legend Lake. The Legend Lake central processing facility is expected to be complete by the second quarter of 2016. First quarter 2011 delineation drilling included 47 wells located primarily in the West Ells project area and Legend Lake.

A breakdown of original bitumen-in-place (OBIP), reserves, and resources assignments is provided in Table 1. Petroleum Resource Management System (PRMS) criteria were used in assessing the reserves and resources categories. Certain volumes relating to the application project area have been classified as probable and possible undeveloped reserves, and additional volumes within and outside the project area have been classified as resources. We believe the resource volumes to be economic to develop with reclassification of these volumes to reserves, contingent upon further reservoir studies, delineation drilling, facility design, preparation of firm development plans, regulatory applications, and company approvals. There is no certainty that it will be commercially viable to produce any portion of the contingent resources.

GEOLOGY

The Company has targeted bitumen saturated reservoirs within the Lower Cretaceous McMurray Formation and the overlying Wabiskaw Member of the Clearwater Formation in the West Ells area.

The McMurray and Wabiskaw overlie the pre-Cretaceous unconformity surface. Devonian aged shales and carbonates that underlie the unconformity have been erosionally sculpted resulting in the formation of local topographic highs separated by erosional valleys. Relief on the Devonian subcrop exerted considerable control on depositional patterns in the Lower Cretaceous. This relief can best be seen from the isopach map from a calcite marker in the Clearwater Formation to the Devonian surface (Map 2).

The McMurray and Wabiskaw formed in an overall transgressive environment as deposition began within the valleys and later over the highs on the Devonian surface. In the West Ells area the McMurray Formation was confined to topographic lows and deposited in an estuarine channel environment. The Wabiskaw reservoir sandstones formed in a marine to marginal-marine environment with the amalgamation of near-shore to deltaic sandstones. The stacking of sandstones of similar environments in the Wabiskaw makes the contact between the two zones somewhat uncertain. However, it is believed that the reservoirs in the West Ells area are primarily Wabiskaw D in age. The Wabiskaw D is overlain by, and in direct communication with the Wabiskaw C and A sandstones.

Deposition of the Wabiskaw in a marginal marine environment makes the reservoir easier to predict and to map than the McMurray estuarine channel sandstones. Breccias and IHS shale interbeds that are present within the McMurray estuarine channels are virtually absent at West Ells. However, there may be some marine mudstone beds present within the Wabiskaw sandstone section. The mudstone beds present over the Company lands occur low in the Wabiskaw D section. The mudstones are further restricted in that they pinch out over the Devonian highs and therefore are not present over the majority of the Company lands. Where present, these beds are considered to form a permeability barrier in a SAGD steam chamber and therefore the top of the mudstone forms the base of the reservoir as mapped in the Net Continuous Bitumen Pay map (Map 3). Bitumen saturated zones below the mudstones have been added to those in the Net Continuous Pay map to form the Total Bitumen Pay map (Map 5).

Gas caps and 'lean' or 'flushed zones' are also commonly associated with Wabiskaw bitumen reservoirs. These are zones of low oil saturation overlying, and in communication with the SAGD reservoir. These intervals will receive steam and heat from the steam chamber but contribute limited amounts of bitumen production. Gas caps formed on structural highs prior to or coeval with biodegradation and immobilization of the McMurray oil. Later structural changes occurred associated with the Larimide orogeny and dissolution of underlying Devonian Elk Point salts. This occasionally resulted in breaching of the spill point for the gas caps and dissipation of some of the gas. A 'lean' or 'flushed zone' formed where water has migrated in to replace the gas. Oil saturations in the gas caps and flushed zones range up to and over 30 percent. Flushed zones can be differentiated from bottom water by the resistivity of the zones. Bottom water zones have a lower oil saturation and are typically in the 3 to 5 ohm-metre range while the flushed zones are commonly over 10 ohm-metres. Gas is abundant in the West Ells River area, especially overlying Devonian highs (seen as thins on the calcite marker to Devonian isopach). Lean zones are fairly common but bottom water, which generally appears in lows on the Devonian surface has only been seen in one well on the Company lands. The net gas pay and production, along with lean zones and bottom water is shown on Map 5.

Calcite cemented intervals are relatively rare within the Wabiskaw and McMurray sandstones in the West Ells area. Different theories exist concerning the genesis of these intervals within the marine sandstone section. The first suggests that they are concretions preferentially developed on specific horizons, but local (up to 10's of metres) in extent and not connected. The second theory suggests that genesis of calcite-cemented layers occurred as a 'hardground' in response to a reduction-oxidation front at the sediment-water interface. The 'hardground' develops during a period of non-deposition and can have an areal extent of hundreds of metres or more. It is expected that gas caps would form underneath permeability barriers with a significant areal extent. The impermeable nature of the calcite cemented intervals suggests that dissolution of the calcite during steaming is unlikely.

An average porosity of 30 percent has been calculated from well logs for the bitumen reservoir with an average bulk mass oil of 0.112 taken from available core data.

RESERVES AND RESOURCES

GLJ Petroleum Consultants (GLJ) has prepared estimates of proved plus probable reserves (2P), proved plus probable plus possible reserves (3P), and low, best, and high estimate contingent resources for the Ells/Legend Lake property. Reserves and resources were assigned using volumetric methods and are summarised in Table 1. The resource estimates were not classified as reserves at this time, pending further reservoir studies, delineation drilling, facility design, preparation of firm development plans, regulatory applications and company approvals.

The 2P and 3P reserves were assigned to portions of the lease within the application project areas having a minimum vertical well density of one well per quarter section (160 acre spacing). Best and high estimate contingent resources were assigned to remaining mapped areas of the lease. Low estimate contingent resources were assigned to mapped areas containing at least one well per section. Effective net pay was designated as the vertically contiguous oil pay present that is interpreted to be suitable for the SAGD process. Map 3 illustrates the net continuous pay mapping used to derive rock volumes; Map 3b also shows the regions assigned probable reserves and best estimate contingent resources.

Reserves and resources estimates were made assuming development using horizontal well SAGD technology. Evidence of the potential success of such a scheme is based on:

- Simulation work conducted by the Company and other operators.
- Recovery factor algorithm for reservoirs developed by GLJ based on a review of simulation studies conducted by other operators in similar reservoirs.
- Success of the SAGD process in sandstone reservoirs throughout the Athabasca oil sands deposit.

The analytical correlation utilises a volumetric recovery factor incorporating the following sweep efficiencies:

- Displacement efficiency (E_d): This was derived using initial average water saturation and residual oil saturations of 15 and 10 percent for the 2P and 3P reserves categories, and 15, 15, and 10 percent for the low, best and high estimate contingent resource categories.
- Gross vertical sweep efficiency (E_v): This is the ratio of the net pay thickness above the producer (effective pay) divided by the total continuous net pay. For West Ells and SW Ells, producer well standoffs of 1.5 and 1.0 metres for the 2P and 3P reserves categories, and 2.0, 1.5 and 1.0 metres in the low, best and high estimate contingent resource

categories were used. Producer well standoffs for Legend Lake are 1 metre higher than these values, owing to the presence of bottom water.

- Gross horizontal sweep efficiency (E_h): This is a function of the slope of the bottom of the steam chamber at depletion, inter-well spacing, and net pay thickness above the producer. The slope of the steam chamber at depletion has been estimated at 12 percent for West Ells and SW Ells, and 10 percent for Legend Lake. The higher slope used in West Ells accounts for the presence of top gas and the associated uncertainty relating to the additional steam requirements and impact on terminal steam-oil ratios (SOR) and shut-in bitumen rates. Well spacing is scheduled at 100 metres.
- Continuity/areal conformance (E_c): This accounts for uneven steam heating along the wellbore, heterogeneities and permeability breaks in the reservoir, and risk due to uncertainties in the process. Factors of 80 and 90 percent for the 2P and 3P reserves categories, and 70, 80 and 90 percent in the low, best and high estimate contingent resource categories were used.

Resources were calculated on a per LSD basis using the above recovery factor algorithm. An economic threshold of 450 Mstb/well was used for a development scenario of 800 metre wells spaced 100 metres apart, and incorporating 50 metre drainage at each end of the wellbore. Resulting minimum net pay values are approximately 11, 10, and 8 metres in the low estimate, 2P/best estimate, and 3P/high estimate cases, respectively, for West Ells and SW Ells. Minimum net pay values for Legend Lake are approximately 1 metre higher than these values.

To optimise recovery, the Company has indicated they plan to drill infill producing wells in between the original SAGD wells in the latter phase of producing life of the original well-pairs. This method of development has been employed successfully in the McMurray reservoir by Cenovus Energy Inc. (Cenovus) in their Foster Creek project. Incremental infill recovery was determined using the same geometric model as described above with 50 metre spacing. The high case incorporates a steam chamber slope reduction of 2 percent over the 100 metre spacing scenario to account for potential slope reduction due to changes in pressure gradients. Infill well development was not included in the low estimate case due to marginal economics.

Recovery factors were ultimately assigned in consideration of technical risk associated with the process. A review of the recovery factors predicted in various laboratory studies and demonstrated at the Underground Test Facility (UTF) suggests 60 to 80 percent recovery. While these recovery factors are somewhat theoretical, they are considered to be optimistic by GLJ and achieved only in the best possible circumstances.

To optimise steam requirements and bitumen recovery, GLJ has scheduled non-condensable gas (NCG) injection. The steam optimisation process was successfully tested in the UTF project and consists of replacing a portion of steam injection with a non-condensable gas, thereby maintaining steam chamber pressure in the latter half of the producing life of the wells and reducing steam fuel-gas requirements. NCG injection is currently being utilised at Cenovus' Foster Creek and Christina Lake projects. An economical option would be to inject flue gas recovered from the burners of the steam generators, although corrosion issues would need to be addressed. MEG Energy Corp. currently operates a flue gas injection project at Surmont. The potential for alternate non-condensable gases is possible. NCG injection requirements were forecast using natural gas at an average of 75 scf/stb throughout the life of each well.

Associated top gas production from interest lands by other operators has been shut in as of October 2009, pending a full hearing and resolution of the gas over bitumen issue anticipated for 2011. Cumulative production from interest lands (majority in the southern half of West Ells) is approximately 16.3 Bcf. The Company plans to maintain steam chambers at pressures of approximately 2000 kPa in West Ells. Consequently, natural gas injection is scheduled to pressurise the gas zone from current levels to 2000 kPa so as to mitigate the thief zone effects on steam requirements. The natural gas volume requirement for pressurization of the gas zone over all interest land is estimated at 50 Bcf. Blowdown of the injected gas is scheduled near the end of the project.

PRODUCTION AND DEVELOPMENT FORECAST

Production forecasts were determined for each of the average type wells as detailed in Table 2. Peak oil production and minimum steam-oil ratio (SOR) values were selected based on GLJ's knowledge of reservoir simulations including recent work done by the Company, performance of similar existing schemes, and empirical horizontal well production rate calculations adjusted for risk and downtime. Proved plus probable reserves and best estimate contingent peak oil production rates are estimated at 350 to 450 bopd per well, depending on pay thickness. First year production rates were estimated at 60 percent of peak rates. Peak oil production is forecast for year two. Of the total calculated reserves and resources for the 100 metre spacing and 50 metre spacing wells, 80 to 85 percent was allocated to the initial wells and 15 to 20 percent to the infill wells to account for interference. Infill wells were scheduled to commence production approximately four years after the initial wells at a rate of 40 percent of the initial wells.

Field development was scheduled assuming thick pay areas (>14 metres) will be developed first and thinner pay areas as a second priority.

Overall 2P reserves plus best estimate contingent resource cumulative SOR's were forecast at an average of 3.1. The depletion strategy modeled in the forecasts reflects heat harvesting with minimal steam injection near the end of producing well life. Potential blowdown operations have been modeled using a reduced SOR and added natural gas injection during the final years of production.

Minimal steam will be required for the infill wells as the near wellbore region is preheated by the original steam chamber. For the incremental bitumen volumes, SOR's of 1.0 and 0.5 were assigned to the infill wells in the 2P/best estimate and 3P/high estimate cases based on simulation work with which GLJ is familiar as well as analogy to the Foster Creek infill well performance with adjustments made for reservoir differences.

Timing and facility sizing for the initial and subsequent phases of the projects are shown in the following table. Detailed forecast development and cost assumptions are provided in Tables 3.1 through 3.12.

Phase Sizing (thousands bopd) and Timing												
	West Ells					Legend Lake					SW Ells	
	Reserves		Contingent Resources			Reserves		Contingent Resources			Contingent Resources	
	2P	3P	Low	2P + Best	3P + High	2P	3P	Low	2P + Best	3P+High	Best	High
2013	5	5	5	5	5							
2014	5	5	5	5	5							
2015												
2016						10	10	10	10	10		
2017		5	30	30	30							
2018												
2019								20	20	30		
2020				30	30							
2021											4	12
2022									20	30		
2023				10	30							
Total	10	15	40	70	100	10	10	30	50	70	4	12

ECONOMIC ANALYSIS

Indicative economic forecasts for the resources categories are presented in the Economic Forecasts section of this report. These economics are scoping in nature, as detailed project designs and cost estimates have not been prepared. Operating cost estimates were therefore based on GLJ's experience with similar projects. The operating cost estimates are $16,000 per well-month, $0.80 per bbl of oil and $0.80 per bbl of steam plus purchased fuel gas. Steam generation fuel and NCG injection costs were forecast using the current GLJ Alberta Spot Plant Gate gas price plus a $0.10/Mcf fee for delivery to the field. A fuel to steam conversion efficiency of 0.40 Mcf/bbl of steam was also used. Fixed field costs were estimated at 5 percent of initial facility capital, except for the first and second years of operation when field costs were increased by 100 percent and 50 percent, respectively, to reflect start-up operations. Well abandonment costs were included at $250 M/well-pair.

SAGD facility construction costs were estimated at a cost of $6,000/bfpd (barrels of fluid per day) for an initial 10,000 bopd facility in West Ells. The cost for additional 30,000 bopd phases in West Ells was reduced in consideration of economies of scale and use of existing infrastructure. Initial facility construction costs were estimated primarily based on analogous costs for other similar projects with which GLJ is familiar. The costs per bfpd scheduled for SW Ells and Legend Lake were estimated with a similar approach to West Ells, and assume that pooling of interests will occur in SW Ells between the Company and operators of adjacent lands in order to take advantage of economies of scale. The capital estimates for initial well drilling and completion was $3.7 MM/well-pair. This was reduced in later years by 10 percent to reflect drilling experience. Additional capital of $2.8 MM/well-pair is included for pad construction, equipment and piping and $300 M for a metal progressive cavity pump. Infill drilling and surface equipment was estimated at $2,100 M/well. Delineation costs were scheduled assuming 80 acre core-hole spacing at a net cost of $400 M/core-hole. These costs are GLJ estimates based on our knowledge of other projects.

Maintenance and sustaining capital is included in the evaluation for both facilities and horizontal wells. Facility maintenance costs are included at a yearly rate of 1 percent of initial facility capital. Well sustaining costs are scheduled at $150 M/well-pair per producing year, and are intended to cover occasional workovers including pump repairs.

Cogeneration facilities have been included in all reserves and resource categories for West Ells and Legend Lake, providing electricity and steam to the projects. The unused electricity is sold at market prices. Electricity revenue has been included as "Other Income" in the economic

forecasts. Model parameters and costs are estimated using information supplied by the Company and our knowledge of other projects.

Crown royalties were calculated using the new Alberta Oil Sands royalty formula. The royalties are calculated based on a cleaned crude bitumen product. Pre-payout, the base rate is 1 percent of gross revenue and increases for every dollar the WTI is priced above $55/barrel, to a maximum of 9 percent when the WTI is priced at or above $/barrel. Post-payout, the base rate is 25 percent of net revenue and increases for every dollar the WTI is priced above $55/barrel, to a maximum of 40 percent when the WTI is priced at or above $120/barrel. A return allowance of 3.6 percent was incorporated.

The bitumen produced from the property was assumed sold into the open market as a diluent-bitumen (dil-bit) blend. Short-term dil-bit transportation requirements were assumed to be met by trucking at a cost of $3.50/stb and long-term by the use of a third party pipeline with a tariff of $1.75/stb. Blending with diluent for transportation by trucking and by pipeline will occur at ratios of approximately 0.3 and 0.429 bbl diluent per bbl of bitumen, respectively. Blending costs assume a long-term diluent market premium, including transportation costs to the field, of $6.00/stb over condensate postings. This blending and transportation, along with a dil-bit quality adjustment, results in net bitumen prices as presented in Table 4.

Other Economic Considerations

This report does not address the following issues:

- Non-reserves well abandonment, wellsite reclamation and facility abandonment/salvage including possible environmental concerns.
- Potential processing income.
- The current condition of field, gathering and processing facilities, i.e. an inspection was not carried out.

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**

Resource Class: **3P + Contingent Resources**
Development Class: **Total High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Well Interests and Burdens

Entity Description	Working Interest BPO %	Working Interest APO %	Working Interest Rem PO (000's)	Royalty Interest Type	Royalty Interest BPO %	Royalty Interest APO %	Royalty Interest Rem PO (000's)	Lessor Royalty	Other Royalty Burdens Type	Other Royalty Burdens BPO %	Other Royalty Burdens APO %	Other Royalty Burdens Rem PO (000's)
Ells/Legend Lake												
Legend Lake & SW Ells												
Legend Lake	100.000	-	-		-	-	-	AB CR NCONV HVY		-	-	-
SW Ells	100.000	-	-		-	-	-	AB CR NCONV HVY		-	-	-
West Ells Total												
West Ells	100.000	-	-		-	-	-	AB CR NCONV HVY		-	-	-

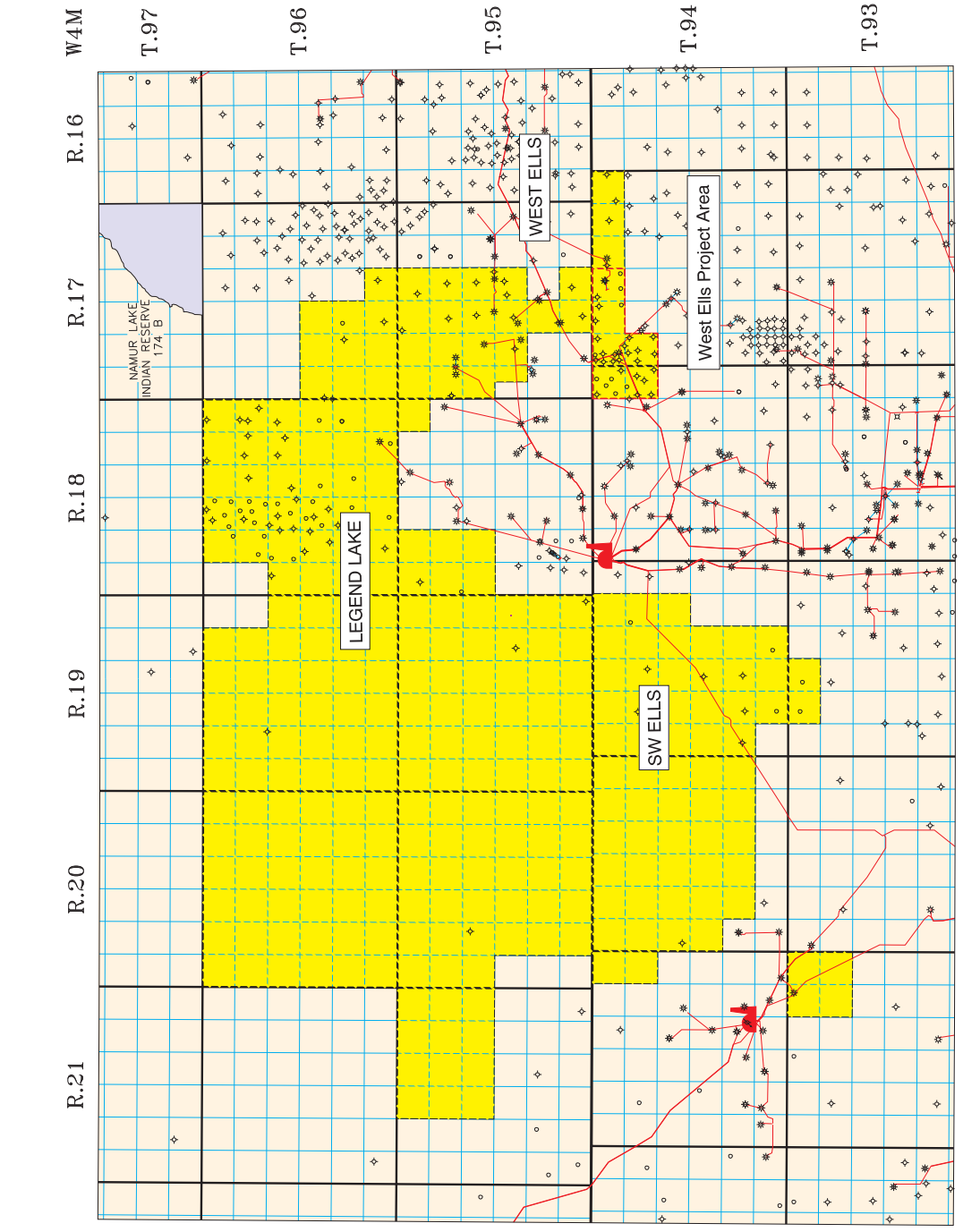
Glossary
AB: Alberta
APO=BPO interests unless otherwise specified
CR: Crown Royalty
HVY: Heavy
NCONV: Non-Conventional

Map 1

Land Map

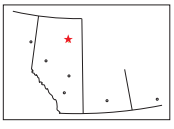
Company: Sunshine Oilsands Ltd.
Property: Ells/Legend Lake

Effective Date: November 30, 2011
Scale: 1:315,000 s1121333/welm01

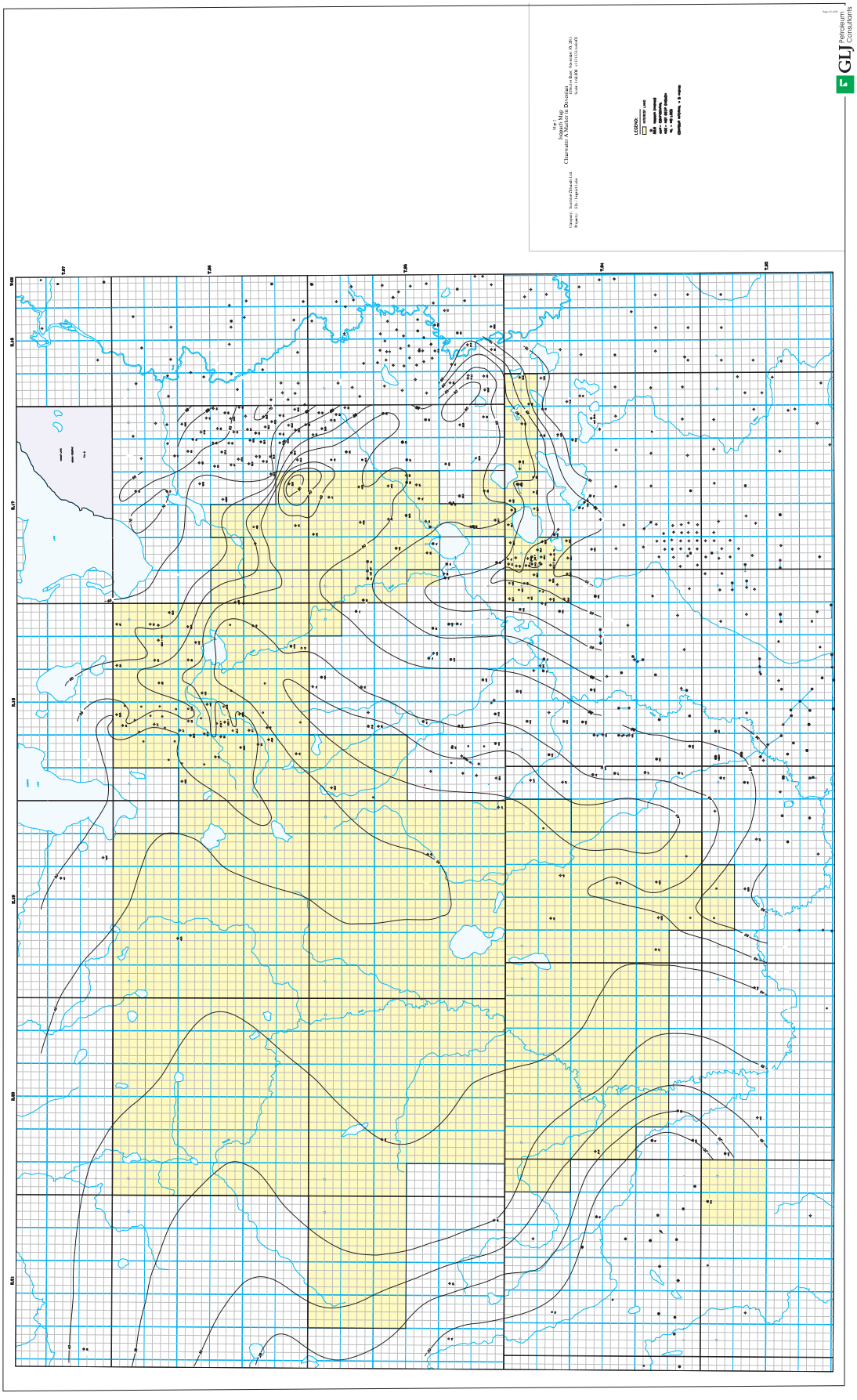


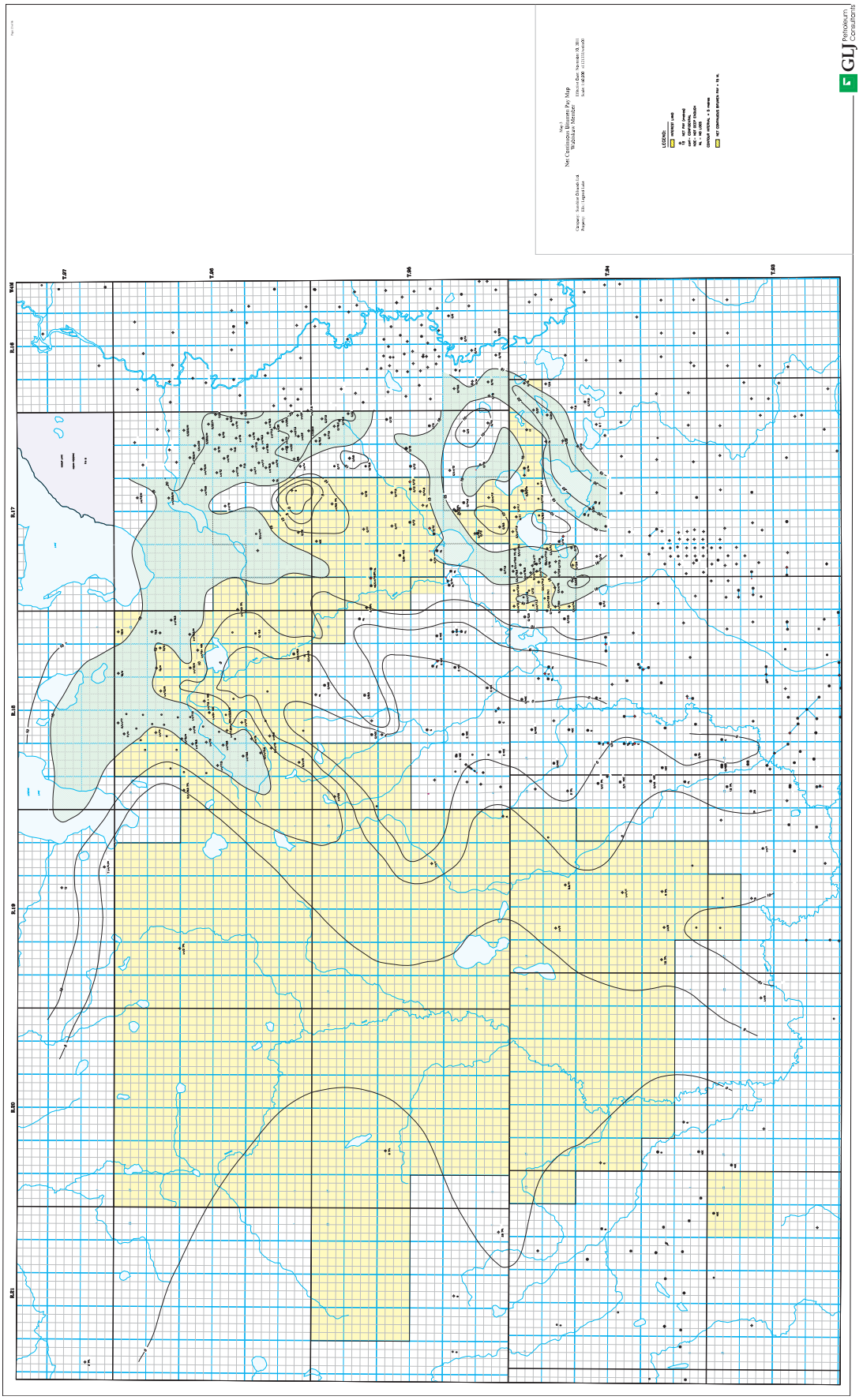
LEGEND:

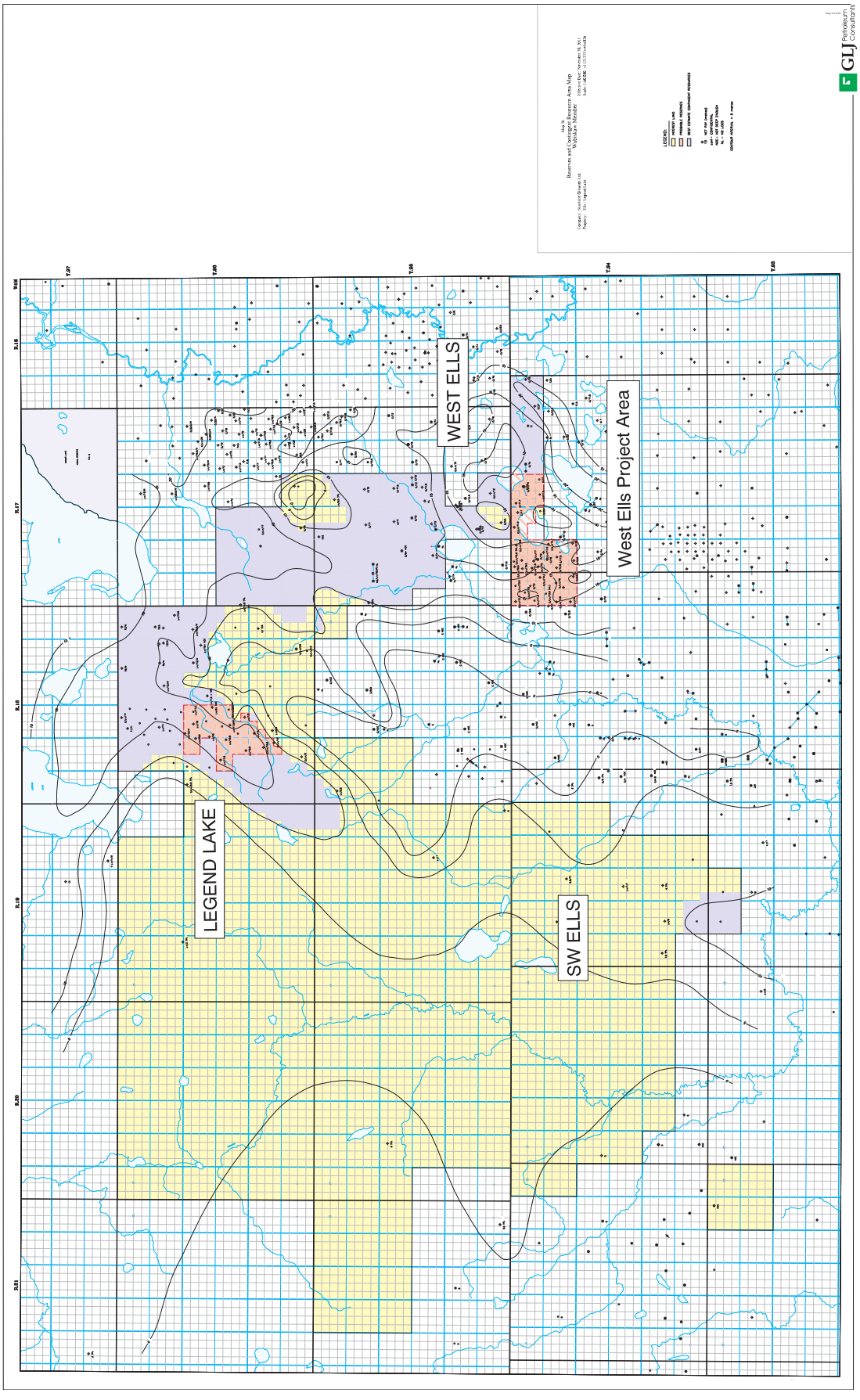
INTEREST LAND

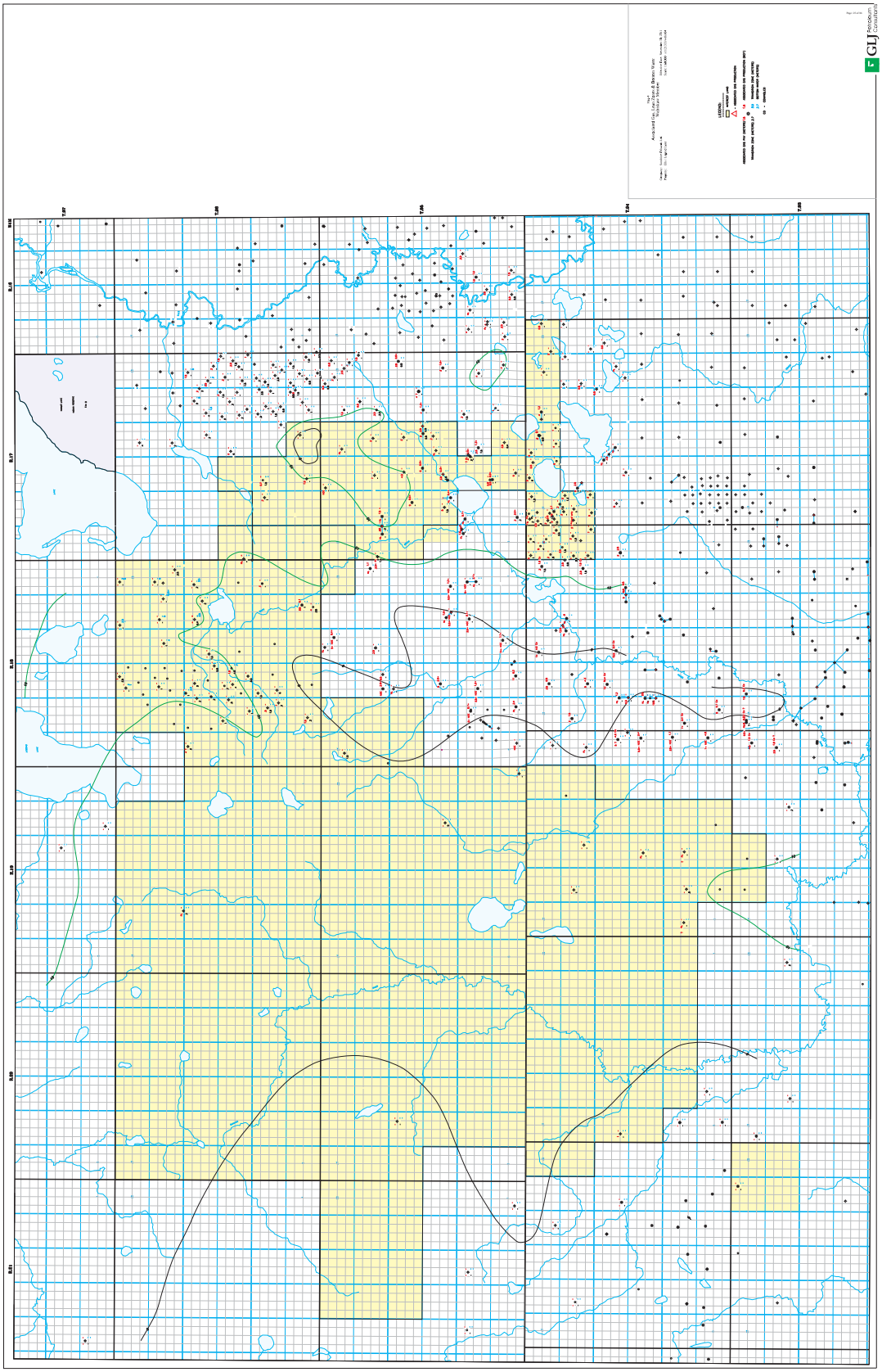


GLJ Petroleum Consultants


Map 7
Isopach Map
Clearwater A Marker to Devonian
Company: Sunshine Oilsands Ltd.
Property: Fish Regional Lake
Scale: 1:60,000 (1:12,000 in Lake)
LEGEND:
GLJ Petroleum Consultants


GLJ Petroleum Consultants
Net Continuous Thickness Pay Map
Wabiskaw Member
LEGEND


WEST ELLS
West Ells Project Area
LEGEND LAKE
SW ELLS
GLJ Petroleum Consultants



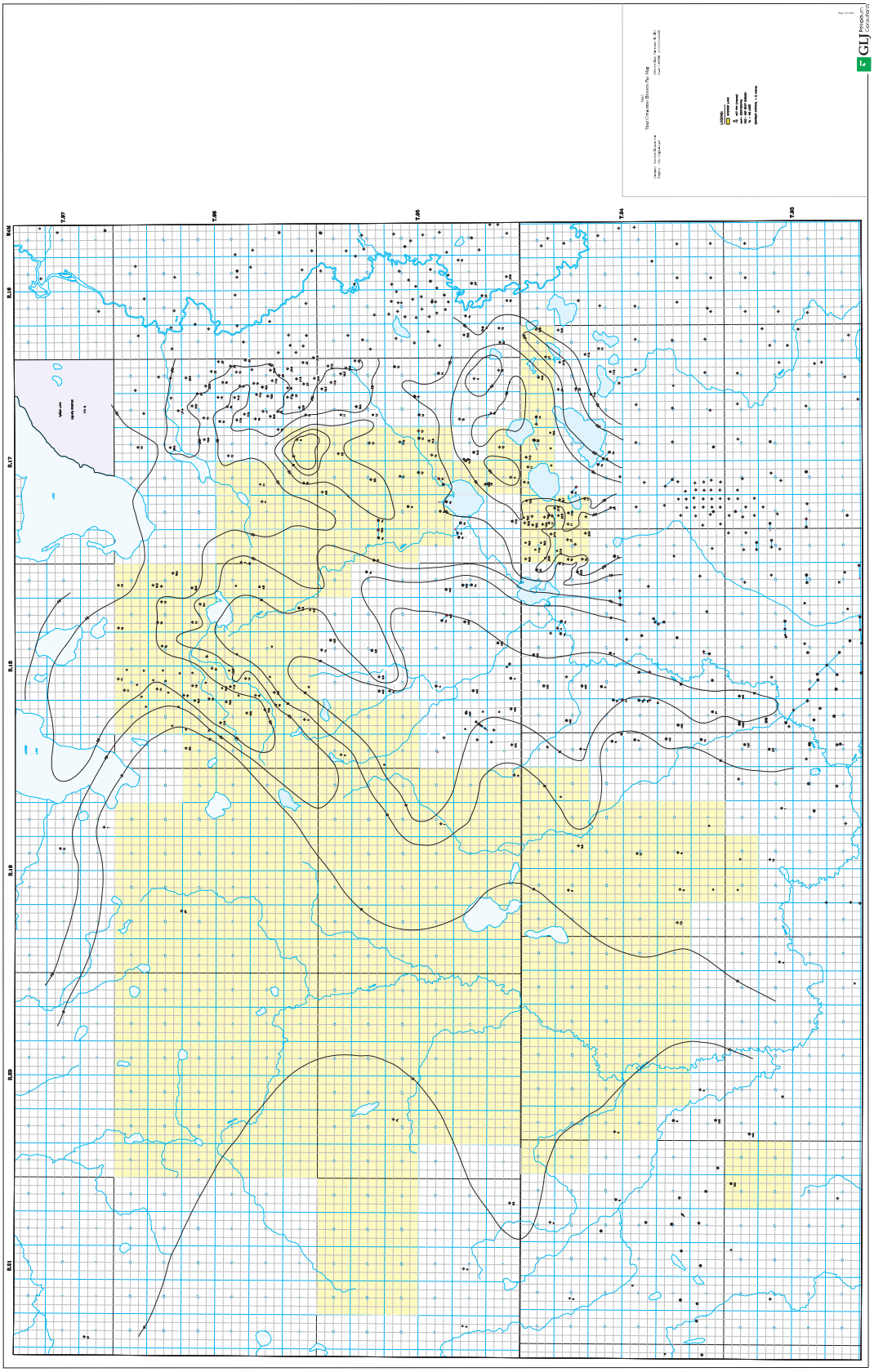


Table 1
Volumetric Parameters Summary
Ells, Legend Lake SAGD Project
Wabiskaw Member

Classification	Area (acres)	Net Pay (m)	Porosity %	Sw %	FVF	Exploitable OBIP (mstb)	Recovery Factor	Gross Lease Resources (mstb)	Working Interest	Company Resources (mstb)
Probable Undeveloped Reserves										
West Ells	3,658	14.3	31.0%	24%	1.005	312,890	51%	158,860	100%	158,860
Legend Lake	2,232	15.4	32.0%	31%	1.005	192,271	47%	91,068	100%	91,068
Total	**5,891**	**14.7**	**31.4%**	**27%**	**1.005**	**505,161**	**49%**	**249,928**	**100%**	**249,928**
Probable plus Possible Undeveloped Reserves										
West Ells	3,738	14.2	31.0%	24%	1.005	317,416	66%	208,865	100%	208,865
Legend Lake	2,397	15.1	32.0%	31%	1.005	201,733	62%	124,306	100%	124,306
Total	**6,134**	**14.6**	**31.4%**	**27%**	**1.005**	**519,149**	**64%**	**333,171**	**100%**	**333,171**
Low Estimate Contingent Resources										
West Ells										
Net Pay > 14m	7,332	15.7	31.0%	24%	1.005	687,146	38%	263,165	100%	263,165
Net Pay < 14m	5,615	12.3	31.0%	24%	1.005	413,717	33%	138,326	100%	138,326
Total	12,947	14.3	31.0%	24%	1.005	1,100,863	36%	401,492	100%	401,492
Legend Lake										
Net Pay > 14m	7,325	15.6	32.0%	31%	1.005	640,300	36%	227,346	100%	227,346
Net Pay < 14m	1,186	13.2	32.0%	31%	1.005	87,295	32%	27,840	100%	27,840
Total	8,511	15.3	32.0%	31%	1.005	727,595	35%	255,186	100%	255,186
SW Ells	0	0.0	31.0%	24%	1.005	0	0%	0	100%	0
Total	**21,458**	**14.7**	**31.4%**	**27%**	**1.005**	**1,828,458**	**36%**	**656,678**	**100%**	**656,678**
Best Estimate Contingent Resources										
West Ells										
Net Pay > 14m	7,506	15.7	31.0%	24%	1.005	704,260	52%	365,936	100%	365,936
Net Pay < 14m	11,096	11.9	31.0%	24%	1.005	788,818	48%	378,972	100%	378,972
Total	18,601	13.5	31.0%	24%	1.005	1,493,078	50%	744,908	100%	744,908
Legend Lake										
Net Pay > 14m	7,649	15.4	32.0%	31%	1.005	659,072	47%	312,215	100%	312,215
Net Pay < 14m	4,521	12.4	32.0%	31%	1.005	312,518	44%	136,307	100%	136,307
Total	12,170	14.3	32.0%	31%	1.005	971,590	46%	448,522	100%	448,522
SW Ells	1,344	10.2	31.0%	24%	1.005	81,826	45%	37,098	100%	37,098
Total	**32,115**	**13.6**	**31.4%**	**27%**	**1.005**	**2,546,493**	**48%**	**1,230,527**	**100%**	**1,230,527**
High Estimate Contingent Resources										
West Ells										
Net Pay > 14m	7,506	15.7	31.0%	24%	1.005	704,260	67%	471,675	100%	471,675
Net Pay < 14m	12,314	11.6	31.0%	24%	1.005	855,802	63%	539,663	100%	539,663
Total	19,820	13.2	31.0%	24%	1.005	1,560,062	65%	1,011,337	100%	1,011,337
Legend Lake										
Net Pay > 14m	7,649	15.4	32.0%	31%	1.005	659,072	62%	408,451	100%	408,451
Net Pay < 14m	7,255	11.5	32.0%	31%	1.005	465,845	57%	264,834	100%	264,834
Total	14,904	13.5	32.0%	31%	1.005	1,124,917	60%	673,285	100%	673,285
SW Ells	3,900	9.5	31.0%	24%	1.005	220,100	60%	131,100	100%	131,100
Total	**38,624**	**12.9**	**31.4%**	**27%**	**1.005**	**2,905,078**	**63%**	**1,815,722**	**100%**	**1,815,722**
2P Reserves plus Best Estimate Contingent Resources										
West Ells	22,260	13.6	31.0%	24%	1.005	1,805,968	50%	903,768	100%	903,768
Legend Lake	14,402	14.5	32.0%	31%	1.005	1,163,862	46%	539,590	100%	539,590
SW Ells	1,344	10.2	31.0%	24%	1.005	81,826	45%	37,098	100%	37,098
Total	**38,006**	**13.8**	**31.4%**	**27%**	**1.005**	**3,051,655**	**49%**	**1,480,456**	**100%**	**1,480,456**
3P Reserves plus High Estimate Contingent Resources										
West Ells	23,558	13.4	31.0%	24%	1.005	1,877,478	65%	1,220,203	100%	1,220,203
Legend Lake	17,300	13.7	32.0%	31%	1.005	1,326,650	60%	797,591	100%	797,591
SW Ells	3,900	9.5	31.0%	24%	1.005	220,100	60%	131,100	100%	131,100
Total	**44,759**	**13.2**	**31.4%**	**27%**	**1.005**	**3,424,227**	**63%**	**2,148,894**	**100%**	**2,148,894**

Table 1
Volumetric Parameters Summary
Ells, Legend Lake SAGD Project
Wabiskaw Member

Classification	Area (acres)	Net Pay (m)	Porosity %	Sw %	FVF	Exploitable OBIP (mstb)	Recovery Factor	Gross Lease Resources (mstb)	Working Interest	Company Resources (mstb)
Discovered PIIP (Pay >0m)										
West Ells	16,626	13.1	31.0%	24%	1.005	1,299,821				
SW Ells/Opportunity	4,999	6.5	31.0%	24%	1.005	193,088				
Legend Lake	13,022	12.8	32.0%	31%	1.005	931,556				
Total Low Estimate	**34,648**	**12.0**	**31.4%**	**27%**	**1.005**	**2,424,464**				
West Ells	24,785	13.0	31.0%	24%	1.005	1,918,248				
SW Ells/Opportunity	26,440	6.0	31.0%	24%	1.005	948,698				
Legend Lake	30,869	10.0	32.0%	31%	1.005	1,730,485				
Total Best/High Estimate	**82,093**	**9.6**	**31.4%**	**27%**	**1.005**	**4,597,431**				
Undiscovered PIIP (Pay >0m)										
West Ells	8,158	12.7	31.0%	24%	1.005	618,428				
SW Ells/Opportunity	21,440	5.9	31.0%	24%	1.005	755,610				
Legend Lake	17,846	8.0	32.0%	31%	1.005	798,929				
Total Low Estimate	**47,445**	**7.9**	**31.4%**	**27%**	**1.005**	**2,172,966**				
West Ells	0	0.0	31.0%	24%	1.005	0				
SW Ells/Opportunity	73,253	2.9	31.0%	24%	1.005	1,286,271				
Legend Lake	3,916	5.2	32.0%	31%	1.005	113,871				
Total Best/High Estimate	**77,169**	**3.1**	**31.1%**	**25%**	**1.005**	**1,400,142**				
Total PIIP (Pay >0m)										
West Ells	24,785	13.0	31.0%	24%	1.005	1,918,248				
SW Ells/Opportunity	26,440	6.0	31.0%	24%	1.005	948,698				
Legend Lake	30,869	10.0	32.0%	31%	1.005	1,730,485				
Total Low Estimate	**82,093**	**9.6**	**31.4%**	**27%**	**1.005**	**4,597,431**				
West Ells	24,785	13.0	31.0%	24%	1.005	1,918,248				
SW Ells/Opportunity	99,693	3.8	31.0%	24%	1.005	2,234,968				
Legend Lake	34,785	9.5	32.0%	31%	1.005	1,844,356				
Total Best/High Estimate	**159,262**	**6.4**	**31.3%**	**26%**	**1.005**	**5,997,572**				

Notes: The resources calculated above may not match the economic forecasts due to economic limit considerations
Infill wells are included in all categories except low estimate contingent resources

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

W Ells; 2P, WPs
Probable Reserves

Steamflood Recovery	823	MSTB per well
Steamflood Area	3658	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	14.3	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	164	Wells
Theoretical Rate	509	BOPD *
Downtime	83.5%	
Peak Rate per Well	425	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	255	5.50	5.50	1403	23.4
2	425	3.30	3.30	1403	23.4
3	425	3.30	3.30	1403	23.4
4	425	3.30	3.30	1403	23.4
5	331	3.30	3.30	1091	18.2
6	200	3.30	3.30	661	11.0
7	121	3.30	3.30	400	6.7
8	73	1.90	1.90	140	2.3
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**823**	**3.50**	**3.5**	**2884**	**48**

W Ells; 2P, Infills
Probable Reserves

Steamflood Recovery	145	MSTB per well
Steamflood Area	3658	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	14.3	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	164	Wells
Theoretical Rate	509	BOPD *
Downtime	33.4%	
Peak Rate per Well	170	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	170	1.00	1.00	170	2.8
2	125	1.00	1.00	125	2.1
3	67	1.00	1.00	67	1.1
4	36	1.00	1.00	36	0.6
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**145**	**1.00**	**1.0**	**145**	**2**

W Ells; 3P, WPs
Prob+Poss Reserves

Steamflood Recovery	1057	MSTB per well
Steamflood Area	3738	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	14.2	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	168	Wells
Theoretical Rate	538	BOPD *
Downtime	88.3%	
Peak Rate per Well	475	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	285	5.33	5.33	1520	25.3
2	475	3.20	3.20	1520	25.3
3	475	3.20	3.20	1520	25.3
4	475	3.20	3.20	1520	25.3
5	399	3.20	3.20	1276	21.3
6	281	3.20	3.20	899	15.0
7	198	3.20	3.20	634	10.6
8	140	3.20	3.20	447	7.4
9	98	3.20	3.20	315	5.2
10	69	1.20	1.20	83	1.4
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**1057**	**3.36**	**3.4**	**3553**	**59**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

W Ells; 3P, Infills Prob+Poss Reserves			W Ells; Thick Pay, LE Low Est. Contingent			W Ells; Thin Pay, LE Low Est. Contingent		
Steamflood Recovery	186	MSTB per well	Steamflood Recovery	797	MSTB per well	Steamflood Recovery	549	MSTB per well
Steamflood Area	3738	Acres	Steamflood Area	7332	Acres	Steamflood Area	5615	Acres
Well Spacing	100	Metres	Well Spacing	100	Metres	Well Spacing	100	Metres
Well Length	800	Metres	Well Length	800	Metres	Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *	Single Well Drainage Area	22.2	Acres *	Single Well Drainage Area	22.2	Acres *
Net Pay	14.2	Metres	Net Pay	15.7	Metres	Net Pay	12.3	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam	Net Steam Generation Efficiency	0.4	mcf/stb steam	Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	168	Wells	Number of Wells Required	330	Wells	Number of Wells Required	252	Wells
Theoretical Rate	538	BOPD *	Theoretical Rate	526	BOPD *	Theoretical Rate	457	BOPD *
Downtime	35.3%		Downtime	71.3%		Downtime	71.1%	
Peak Rate per Well	190	BOPD	Peak Rate per Well	375	BOPD	Peak Rate per Well	325	BOPD

* - Includes 50m drainage at well ends

* - Includes 50m drainage at well ends

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	190	0.50	0.50	95	1.6
2	154	0.50	0.50	77	1.3
3	101	0.50	0.50	50	0.8
4	66	0.50	0.50	33	0.6
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**186**	**0.50**	**0.5**	**93**	**2**

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	225	5.33	5.33	1200	20.0
2	375	3.20	3.20	1200	20.0
3	375	3.20	3.20	1200	20.0
4	375	3.20	3.20	1200	20.0
5	310	3.20	3.20	993	16.5
6	212	3.20	3.20	679	11.3
7	145	3.20	3.20	465	7.7
8	99	1.60	1.60	159	2.6
9	68	1.60	1.60	109	1.8
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**797**	**3.30**	**3.3**	**2629**	**44**

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	195	5.92	5.92	1154	19.2
2	325	3.55	3.55	1154	19.2
3	325	3.55	3.55	1154	19.2
4	239	3.55	3.55	849	14.1
5	167	3.55	3.55	591	9.9
6	116	3.55	3.55	412	6.9
7	81	1.78	1.78	144	2.4
8	56	1.78	1.78	100	1.7
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**549**	**3.69**	**3.7**	**2028**	**34**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

W Ells; Thick Pay, BE, WPs
Best Est. Contingent

Steamflood Recovery	920	MSTB per well
Steamflood Area	7506	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.7	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	338	Wells
Theoretical Rate	536	BOPD *
Downtime	84.0%	
Peak Rate per Well	450	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	270	5.30	5.30	1431	23.9
2	450	3.18	3.18	1431	23.9
3	450	3.18	3.18	1431	23.9
4	450	3.18	3.18	1431	23.9
5	408	3.18	3.18	1296	21.6
6	249	3.18	3.18	791	13.2
7	152	3.18	3.18	483	8.1
8	93	2.50	2.50	232	3.9
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**920**	**3.38**	**3.4**	**3112**	**52**

W Ells; Thick Pay, BE, Infills
Best Est. Contingent

Steamflood Recovery	162	MSTB per well
Steamflood Area	7506	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.7	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	338	Wells
Theoretical Rate	536	BOPD *
Downtime	33.6%	
Peak Rate per Well	180	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	180	1.00	1.00	180	3.0
2	138	1.00	1.00	138	2.3
3	80	1.00	1.00	80	1.3
4	47	1.00	1.00	47	0.8
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**162**	**1.00**	**1.0**	**162**	**3**

W Ells; Thin Pay, BE, WPs
Best Est. Contingent

Steamflood Recovery	627	MSTB per well
Steamflood Area	11096	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.9	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	499	Wells
Theoretical Rate	459	BOPD *
Downtime	81.8%	
Peak Rate per Well	375	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	225	5.65	5.65	1271	21.2
2	375	3.39	3.39	1271	21.2
3	375	3.39	3.39	1271	21.2
4	292	3.39	3.39	991	16.5
5	205	3.39	3.39	695	11.6
6	144	3.39	3.39	487	8.1
7	101	1.90	1.90	191	3.2
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**627**	**3.60**	**3.6**	**2255**	**38**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

W Ells; Thin Pay, BE, Infills
Best Est. Contingent

Steamflood Recovery	133	MSTB per well
Steamflood Area	11096	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.9	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	499	Wells
Theoretical Rate	459	BOPD *
Downtime	32.7%	
Peak Rate per Well	150	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	1.00	1.00	150	2.5
2	113	1.00	1.00	113	1.9
3	64	1.00	1.00	64	1.1
4	37	1.00	1.00	37	0.6
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**133**	**1.00**	**1.0**	**133**	**2**

W Ells; Thick Pay, HE, WPs
High Est. Contingent

Steamflood Recovery	1186	MSTB per well
Steamflood Area	7506	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.7	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	338	Wells
Theoretical Rate	567	BOPD *
Downtime	88.1%	
Peak Rate per Well	500	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	300	4.85	4.85	1455	24.3
2	500	2.91	2.91	1455	24.3
3	500	2.91	2.91	1455	24.3
4	500	2.91	2.91	1455	24.3
5	500	2.91	2.91	1455	24.3
6	395	2.91	2.91	1149	19.1
7	246	2.91	2.91	716	11.9
8	153	2.91	2.91	447	7.4
9	96	2.30	2.30	220	3.7
10	60	2.30	2.30	137	2.3
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**1186**	**3.06**	**3.1**	**3630**	**60**

W Ells; Thick Pay, HE, Infills
High Est. Contingent

Steamflood Recovery	209	MSTB per well
Steamflood Area	7506	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.7	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	338	Wells
Theoretical Rate	567	BOPD *
Downtime	35.3%	
Peak Rate per Well	200	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	200	0.50	0.50	100	1.7
2	169	0.50	0.50	84	1.4
3	120	0.50	0.50	60	1.0
4	85	0.50	0.50	43	0.7
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**209**	**0.50**	**0.5**	**105**	**2**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

W Ells; Thin Pay, HE, WPs
High Est. Contingent

Steamflood Recovery	779	MSTB per well
Steamflood Area	12314	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.6	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	554	Wells
Theoretical Rate	482	BOPD *
Downtime	88.1%	
Peak Rate per Well	425	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	255	5.37	5.37	1369	22.8
2	425	3.22	3.22	1369	22.8
3	425	3.22	3.22	1369	22.8
4	380	3.22	3.22	1223	20.4
5	261	3.22	3.22	842	14.0
6	180	3.22	3.22	579	9.7
7	124	1.80	1.80	223	3.7
8	85	1.80	1.80	153	2.6
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**779**	**3.34**	**3.3**	**2601**	**43**

W Ells; Thin Pay, HE, Infills
High Est. Contingent

Steamflood Recovery	195	MSTB per well
Steamflood Area	12314	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.6	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	554	Wells
Theoretical Rate	482	BOPD *
Downtime	35.2%	
Peak Rate per Well	170	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	170	0.50	0.50	85	1.4
2	151	0.50	0.50	75	1.3
3	119	0.50	0.50	60	1.0
4	94	0.50	0.50	47	0.8
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**195**	**0.50**	**0.5**	**97**	**2**

Legend; 2P, WPs
Probable Reserves

Steamflood Recovery	774	MSTB per well
Steamflood Area	2232	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	100	Wells
Theoretical Rate	488	BOPD *
Downtime	82.0%	
Peak Rate per Well	400	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	240	5.30	5.30	1272	21.2
2	400	3.18	3.18	1272	21.2
3	400	3.18	3.18	1272	21.2
4	400	3.18	3.18	1272	21.2
5	325	3.18	3.18	1033	17.2
6	214	3.18	3.18	682	11.4
7	141	3.18	3.18	450	7.5
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**774**	**3.42**	**3.4**	**2647**	**44**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

Legend; 2P, Infills
Probable Reserves

Steamflood Recovery	137	MSTB per well
Steamflood Area	2232	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	100	Wells
Theoretical Rate	488	BOPD *
Downtime	32.8%	
Peak Rate per Well	160	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	160	1.00	1.00	160	2.7
2	117	1.00	1.00	117	2.0
3	63	1.00	1.00	63	1.1
4	34	1.00	1.00	34	0.6
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**137**	**1.00**	**1.0**	**137**	**2**

Legend; 3P, WPs
Prob+Poss Reserves

Steamflood Recovery	978	MSTB per well
Steamflood Area	2397	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.1	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	108	Wells
Theoretical Rate	513	BOPD *
Downtime	87.7%	
Peak Rate per Well	450	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	270	5.22	5.22	1409	23.5
2	450	3.13	3.13	1409	23.5
3	450	3.13	3.13	1409	23.5
4	450	3.13	3.13	1409	23.5
5	378	3.13	3.13	1183	19.7
6	267	3.13	3.13	835	13.9
7	188	3.13	3.13	590	9.8
8	133	3.13	3.13	416	6.9
9	94	3.13	3.13	294	4.9
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**978**	**3.34**	**3.3**	**3268**	**54**

Legend; 3P, Infills
Prob+Poss Reserves

Steamflood Recovery	173	MSTB per well
Steamflood Area	2397	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.1	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	108	Wells
Theoretical Rate	513	BOPD *
Downtime	35.1%	
Peak Rate per Well	180	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	180	0.50	0.50	90	1.5
2	144	0.50	0.50	72	1.2
3	91	0.50	0.50	46	0.8
4	58	0.50	0.50	29	0.5
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**173**	**0.50**	**0.5**	**86**	**1**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

Legend; Thick Pay, LE
Low Est. Contingent

Steamflood Recovery	691	MSTB per well
Steamflood Area	7325	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.6	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	329	Wells
Theoretical Rate	483	BOPD *
Downtime	72.5%	
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	210	5.62	5.62	1180	19.7
2	350	3.37	3.37	1180	19.7
3	350	3.37	3.37	1180	19.7
4	350	3.37	3.37	1180	19.7
5	278	3.37	3.37	937	15.6
6	175	3.37	3.37	590	9.8
7	110	1.69	1.69	186	3.1
8	70	1.70	1.70	118	2.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**691**	**3.46**	**3.5**	**2391**	**40**

Legend; Thin Pay, LE
Low Est. Contingent

Steamflood Recovery	525	MSTB per well
Steamflood Area	1186	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	13.2	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	53	Wells
Theoretical Rate	433	BOPD *
Downtime	69.3%	
Peak Rate per Well	300	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	180	6.58	6.58	1185	19.8
2	300	3.95	3.95	1185	19.8
3	300	3.95	3.95	1185	19.8
4	238	3.95	3.95	938	15.6
5	180	3.95	3.95	713	11.9
6	137	1.98	1.98	271	4.5
7	104	1.98	1.98	206	3.4
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**525**	**3.95**	**3.9**	**2074**	**35**

Legend; Thick Pay, BE, WPs
Best Est. Contingent

Steamflood Recovery	771	MSTB per well
Steamflood Area	7649	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	344	Wells
Theoretical Rate	488	BOPD *
Downtime	81.9%	
Peak Rate per Well	400	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	240	5.38	5.38	1292	21.5
2	400	3.23	3.23	1292	21.5
3	400	3.23	3.23	1292	21.5
4	400	3.23	3.23	1292	21.5
5	351	3.23	3.23	1132	18.9
6	181	3.23	3.23	585	9.8
7	94	3.23	3.23	302	5.0
8	48	3.23	3.23	156	2.6
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**771**	**3.47**	**3.5**	**2680**	**45**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

Legend; Thick Pay, BE, Infills
Best Est. Contingent

Steamflood Recovery	136	MSTB per well
Steamflood Area	7649	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	344	Wells
Theoretical Rate	488	BOPD *
Downtime	32.8%	
Peak Rate per Well	160	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	160	1.00	1.00	160	2.7
2	129	1.00	1.00	129	2.2
3	84	1.00	1.00	84	1.4
4	0	0.00	0.00	0	0.0
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**136**	**1.00**	**1.0**	**136**	**2**

Legend; Thin Pay, BE, WPs
Best Est. Contingent

Steamflood Recovery	571	MSTB per well
Steamflood Area	4521	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	203	Wells
Theoretical Rate	427	BOPD *
Downtime	82.0%	
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	210	6.15	6.15	1292	21.5
2	350	3.69	3.69	1292	21.5
3	304	3.69	3.69	1120	18.7
4	228	3.69	3.69	843	14.0
5	172	3.69	3.69	634	10.6
6	129	3.69	3.69	477	8.0
7	97	3.69	3.69	359	6.0
8	73	3.69	3.69	270	4.5
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**571**	**4.02**	**4.0**	**2295**	**38**

Legend; Thin Pay, BE, Infills
Best Est. Contingent

Steamflood Recovery	101	MSTB per well
Steamflood Area	4521	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	203	Wells
Theoretical Rate	427	BOPD *
Downtime	32.8%	
Peak Rate per Well	140	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	140	1.00	1.00	140	2.3
2	94	1.00	1.00	94	1.6
3	42	1.00	1.00	42	0.7
4	0	0.00	0.00	0	0.0
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**101**	**1.00**	**1.0**	**101**	**2**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

Legend; Thick Pay, HE, WPs
High Est. Contingent

Steamflood Recovery	1009	MSTB per well
Steamflood Area	7649	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	344	Wells
Theoretical Rate	520	BOPD *
Downtime	91.3%	
Peak Rate per Well	475	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	285	5.00	5.00	1425	23.8
2	475	3.00	3.00	1425	23.8
3	475	3.00	3.00	1425	23.8
4	475	3.00	3.00	1425	23.8
5	475	3.00	3.00	1425	23.8
6	334	3.00	3.00	1001	16.7
7	165	3.00	3.00	495	8.2
8	81	3.00	3.00	244	4.1
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**1009**	**3.21**	**3.2**	**3236**	**54**

Legend; Thick Pay, HE, Infills
High Est. Contingent

Steamflood Recovery	178	MSTB per well
Steamflood Area	7649	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	15.4	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	344	Wells
Theoretical Rate	520	BOPD *
Downtime	36.5%	
Peak Rate per Well	190	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	190	0.50	0.50	95	1.6
2	149	0.50	0.50	75	1.2
3	92	0.50	0.50	46	0.8
4	57	0.50	0.50	28	0.5
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**178**	**0.50**	**0.5**	**89**	**1**

Legend; Thin Pay, HE, WPs
High Est. Contingent

Steamflood Recovery	650	MSTB per well
Steamflood Area	7255	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.5	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	326	Wells
Theoretical Rate	437	BOPD *
Downtime	91.5%	
Peak Rate per Well	400	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	240	6.00	6.00	1440	24.0
2	400	3.60	3.60	1440	24.0
3	347	3.60	3.60	1247	20.8
4	260	3.60	3.60	936	15.6
5	195	3.60	3.60	703	11.7
6	146	3.60	3.60	527	8.8
7	110	3.60	3.60	396	6.6
8	82	3.60	3.60	297	4.9
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**650**	**3.92**	**3.9**	**2550**	**42**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

Legend; Thin Pay, HE, Infills
High Est. Contingent

Steamflood Recovery	162	MSTB per well
Steamflood Area	7255	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.5	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	326	Wells
Theoretical Rate	437	BOPD *
Downtime	36.6%	
Peak Rate per Well	160	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	160	0.50	0.50	80	1.3
2	132	0.50	0.50	66	1.1
3	91	0.50	0.50	45	0.8
4	62	0.50	0.50	31	0.5
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**162**	**0.50**	**0.5**	**81**	**1**

SW Ells; BE, WPs
Best Est. Contingent

Steamflood Recovery	495	MSTB per well
Steamflood Area	1344	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.2	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	60	Wells
Theoretical Rate	419	BOPD *
Downtime	77.5%	
Peak Rate per Well	325	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	195	6.50	6.50	1268	21.1
2	325	3.90	3.90	1268	21.1
3	279	3.90	3.90	1090	18.2
4	207	3.90	3.90	806	13.4
5	153	3.90	3.90	596	9.9
6	113	1.80	1.80	203	3.4
7	83	1.80	1.80	150	2.5
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**495**	**3.97**	**4.0**	**1964**	**33**

SW Ells; BE, Infills
Best Est. Contingent

Steamflood Recovery	124	MSTB per well
Steamflood Area	1344	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.2	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	60	Wells
Theoretical Rate	419	BOPD *
Downtime	31.0%	
Peak Rate per Well	130	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	130	1.00	1.00	130	2.2
2	103	1.00	1.00	103	1.7
3	65	1.00	1.00	65	1.1
4	41	1.00	1.00	41	0.7
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**124**	**1.00**	**1.0**	**124**	**2**

Table 2
ELLS / LEGEND LAKE SAGD PROJECT
TYPE WELL PRODUCTION FORECASTS

SW Ells; HE, WPs
High Est. Contingent

Steamflood Recovery	562	MSTB per well
Steamflood Area	3900	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	9.5	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	175	Wells
Theoretical Rate	430	BOPD *
Downtime	87.2%	
Peak Rate per Well	375	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	225	6.25	6.25	1406	23.4
2	375	3.75	3.75	1406	23.4
3	375	3.75	3.75	1406	23.4
4	289	3.75	3.75	1085	18.1
5	172	1.85	1.85	319	5.3
6	103	1.85	1.85	190	3.2
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**562**	**3.78**	**3.8**	**2122**	**35**

SW Ells; HE, Infills
High Est. Contingent

Steamflood Recovery	187	MSTB per well
Steamflood Area	3900	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	9.5	Metres
Net Steam Generation Efficiency	0.4	mcf/stb steam
Number of Wells Required	175	Wells
Theoretical Rate	430	BOPD *
Downtime	34.9%	
Peak Rate per Well	150	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	0.50	0.50	75	1.3
2	131	0.50	0.50	65	1.1
3	99	0.50	0.50	50	0.8
4	76	0.50	0.50	38	0.6
5	57	0.50	0.50	29	0.5
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**187**	**0.50**	**0.5**	**94**	**2**

Table 3.1
PRODUCTION AND DEVELOPMENT FORECAST
West Ells
Probable Reserves

Project Specifications

Bitumen production:	10,000	bopd
Steam injection:	33,000	bbls/day (cwe)
	550	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.30	Type Curve
		2
Well Pair Count:	164	164
		3
Infill Count:	164	164
Total:	328	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Operating Costs (In 2011 $CDN)

Battery:	3,000	$M / yr	5% of plant capital
	300	$M / yr per mstb/day installed capacity	
Steamer:	9,900	$M / yr	5% of plant capital
	18.0	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	6,000	$M / mbbl oil per day	60,000	$M Total
Steam gen, filtration, water handling:	6,000	$M / mbbl steam per day	198,000	$M Total
Other infrastructure capital ():			30,000	$M Total
Cogeneration, substation			26,115	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	120,552	$M Total
		Facil. Cap. Spent to Date:	2,174	$M Total
		Forecast Facility Capital:	432,493	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	140,600	$M Total		38
Drill, complete/pair inc. reduction:	3,350	$M / well pair	422,100	$M Total	2020	126
Drill, complete infill:	2,100	$M / well pair	344,400	$M Total		164
Well pad constr., facil., piping:	2,800	$M / well pair	459,200	$M Total		164
Downhole Pumps:	300	$M / well pair	98,400	$M Total		328
Additional Core holes: 12	400	$M / core-hole	4,800	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	246,000	$M Total		

Total Remaining Capital: 2,147,993 $M Total Forecast

	SAGD Well Pairs			Infills									NCG+								Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	2	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	51600	51600
2012	2	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	54672	157812	212484
2013	2	8	8	3	0	0	2040	11220	5.50	11220	5.50	7141	2653	298	4.49	42.56	0.5	0	1853	844	14739	14620	4028	33388	96341	99060	195401
2014	2	14	22	3	0	0	6970	30855	4.43	30855	4.43	15365	3023	640	4.94	46.82	1	85607	3705	3173	34385	26174	11721	72280	1698	19929	21627
2015	2	0	22	3	0	0	9350	30855	3.30	30855	3.30	15543	3201	648	5.40	51.18	1	69971	3705	4653	37938	18299	12708	68945	2598	6365	8963
2016	2	0	22	3	0	0	9350	30855	3.30	30855	3.30	15543	3201	648	5.85	55.45	1	69971	3705	5041	41100	14810	12962	68872	23186	6492	29678
2017	2	0	22	3	8	8	9956	29726	2.99	29726	2.99	15137	3247	631	6.31	59.81	1	65990	3705	5790	43397	15323	13049	71769	47749	7298	55047
2018	2	2	24	3	14	22	10121	26751	2.64	26751	2.64	13959	3259	582	6.74	63.88	1	64908	3705	6287	43456	17233	12367	73057	67198	8994	76192
2019	2	9	33	3	0	22	9203	30167	3.28	30167	3.28	15257	3190	636	6.87	65.12	1	70935	3705	5827	47548	20188	13470	81206	40891	10756	51647
2020	2	5	38	3	0	22	9466	30390	3.21	30390	3.21	14544	2388	606	7.01	66.44	1	69212	3705	6115	46693	21567	13908	82169	35136	11867	47003
2021	2	4	34	3	0	14	9355	30510	3.26	30510	3.26	12906	702	538	7.15	67.77	1	69939	3705	6165	43351	20199	14190	77740	23405	10642	34047
2022	2	2	22	3	2	2	9161	30573	3.34	30573	3.34	12916	687	538	7.29	69.13	1	71209	3705	6158	44246	16436	14426	75109	33012	7498	40509
2023	2	1	23	3	9	11	10087	29754	2.95	29754	2.95	12658	757	527	7.44	70.51	1	65130	3705	6916	44430	17470	14754	76654	53837	8694	62531
2024	2	5	28	3	5	16	10056	31143	3.10	31143	3.10	13212	754	550	7.59	71.92	1	65332	3705	7032	46852	19704	15562	82118	44241	10323	54564
2025	2	4	32	3	4	20	9964	30363	3.05	30363	3.05	12892	747	537	7.74	73.36	1	65939	3705	7107	46887	21684	15537	84108	50074	11717	61791
2026	2	5	35	3	2	20	9756	30622	3.14	30622	3.14	12981	732	541	7.89	74.82	1	67306	3705	7098	48079	23044	15868	86991	39972	12557	52529
2027	2	4	30	3	1	12	9423	30826	3.27	30826	3.27	13037	707	543	8.05	76.32	1	69492	3705	6993	49207	21379	16134	86720	43037	10955	53992
2028	2	3	28	3	5	12	9934	31171	3.14	31171	3.14	13213	745	551	8.21	77.85	1	66133	3705	7520	50719	20882	16807	88408	40537	10754	51291
2029	2	3	27	3	4	12	9901	30831	3.11	30831	3.11	13075	743	545	8.38	79.40	1	66351	3705	7645	51310	21051	16987	89348	43490	10755	54245
2030	2	3	28	3	5	15	9871	30195	3.06	30195	3.06	12819	740	534	8.55	80.99	1	66549	3705	7774	51536	22195	17044	90776	51571	11516	63087
2031	2	4	31	3	4	18	9775	29955	3.06	29955	3.06	12715	733	530	8.72	82.61	1	67177	3705	7852	52239	24000	17239	93478	58175	12749	70924
2032	2	5	31	3	3	16	9708	31005	3.19	31005	3.19	13130	728	547	8.89	84.26	1	67617	3705	7955	54630	24244	18019	96892	50472	12777	63249
2033	2	4	31	3	3	15	9899	31330	3.16	31330	3.16	13274	742	553	9.07	85.95	1	66362	3705	8273	56200	24421	18612	99232	41973	12917	54890
2034	2	3	29	3	3	13	9771	30687	3.14	30687	3.14	13008	733	542	9.25	87.67	1	67203	3705	8330	56423	24110	18629	99162	46124	12465	58590
2035	2	3	28	3	4	13	9737	30370	3.12	30370	3.12	12878	730	537	9.43	89.42	1	67426	3705	8467	57106	24313	18837	100256	59834	12473	72307
2036	2	4	29	3	5	15	9968	31015	3.11	31015	3.11	13153	748	548	9.62	91.21	1	65910	3705	8841	59215	25224	19633	104072	57093	13215	70308
2037	2	4	30	3	4	16	9981	31006	3.11	31006	3.11	13151	749	548	9.82	93.03	1	65826	3705	9029	60391	26199	20028	106618	55223	13856	69079
2038	2	4	31	3	3	16	9878	31005	3.14	31005	3.14	13143	741	548	10.01	94.90	1	66500	3705	9115	61568	27146	20377	109090	57351	14389	71740
2039	2	4	31	3	3	15	9899	31330	3.16	31330	3.16	13274	742	553	10.21	96.79	1	66362	3705	9317	63290	27502	20960	111752	50925	14546	65471
2040	2	3	29	3	4	14	9847	30546	3.10	30546	3.10	12957	739	540	10.42	98.73	1	66706	3705	9453	63348	27249	20945	111543	62332	14171	76503
2041	2	4	29	3	4	14	9892	31156	3.15	31156	3.15	13204	742	550	10.62	100.70	1	66407	3705	9687	65575	27750	21711	115036	52439	14455	66894
2042	2	3	29	3	4	15	9826	30221	3.08	30221	3.08	12825	737	534	10.84	102.72	1	66844	3705	9814	65387	28549	21605	115541	64850	14882	79733
2043	2	4	30	3	4	16	9765	30396	3.11	30396	3.11	12891	732	537	11.05	104.77	1	67241	3705	9949	66960	29724	22100	118785	62755	15604	78359
2044	2	4	30	3	3	15	9690	30537	3.15	30537	3.15	12942	727	539	11.28	106.87	1	67739	3705	10069	68508	30213	22579	121300	67470	15772	83242
2045	2	4	30	3	4	15	9865	31013	3.14	31013	3.14	13145	740	548	11.50	109.01	1	66584	3705	10457	70732	30631	23404	124767	53232	16087	69320
2046	2	3	29	3	3	14	9671	30070	3.11	30070	3.11	12753	725	531	11.73	111.19	1	67860	3705	10456	70469	30877	23208	124554	70196	15959	86155
2047	2	4	29	3	4	14	9756	30837	3.16	30837	3.16	13067	732	544	11.97	113.41	1	67304	3705	10758	73247	31402	24179	128828	72212	16278	88490
2048	2	4	30	3	4	15	10002	31331	3.13	31331	3.13	13283	750	553	12.20	115.68	1	65687	3705	11250	75675	32352	25112	133139	59612	17072	76684
2049	2	3	29	3	4	15	9826	30221	3.08	30221	3.08	12825	737	534	12.45	117.99	1	66844	3705	11273	75109	32794	24817	132720	70673	17095	87768
2050	2	4	30	3	3	15	9690	30537	3.15	30537	3.15	10442	-1773	435	12.70	120.35	1	67739	3705	11339	65565	34024	25428	125017	76632	17762	94394
2051	2	4	30	3	4	15	9865	31013	3.14	31013	3.14	10645	-1760	444	12.95	122.76	1	66584	3705	11776	67838	34495	26356	128689	77502	18117	95619
2052	2	4	30	3	4	15	10002	31331	3.13	31331	3.13	10783	-1750	449	13.21	125.21	1	65687	3705	12178	69858	35019	27183	132059	60472	18479	78951
2053	2	3	29	3	3	14	9750	30362	3.11	30362	3.11	10376	-1769	432	13.47	127.72	1	67342	3705	12109	69254	35370	26907	131532	81322	18332	99654
2054	2	4	30	3	4	15	9865	31013	3.14	31013	3.14	10645	-1760	444	13.74	130.27	1	66584	3705	12497	71990	36607	27970	136566	54128	19226	73354
2055	2	2	28	3	4	15	9492	28526	3.01	28526	3.01	9622	-1788	401	14.02	132.88	1	69038	3705	12264	68197	36903	26533	131633	24379	18893	43272
2056	2	0	24	3	4	15	8211	23208	2.83	23208	2.83	7399	-1884	308	14.30	135.53	1	77455	3705	10821	57956	37458	22366	117779	21209	17809	39018
2057	2	0	21	3	3	15	6545	17915	2.74	17915	2.74	5979	-1187	249	14.59	138.24	1	88401	3705	8798	51554	39014	17760	108328	25363	17046	42409
2058	2	0	17	3	4	15	5020	12781	2.55	12781	2.55	5489	377	229	14.88	141.01	1	98416	3705	6884	49924	39937	13184	103044	13696	15865	29561
2059	2	0	13	3	2	13	3306	7771	2.35	7771	2.35	3356	248	140	15.17	143.83	0	0	0	0	18590	26624	8367	53582	2328	10955	13283
2060	2	0	9	3	0	9	1733	3968	2.29	3968	2.29	1717	130	72	15.48	146.71	0	0	0	0	9702	19235	4393	33330	3167	7823	10989
2061	2	0	6	3	0	6	815	1638	2.01	1638	2.01	716	61	30	15.79	149.64	0	0	0	0	4128	12945	1928	19000	1615	5292	6907
2062	2	0	2	3	0	2	219	351	1.60	351	1.60	157	16	7	16.10	152.63	0	0	0	0	923	5662	458	7042	0	2051	2051
Totals		**164**			**164**		**158860**	**496858**	**3.13**	**496858**		**210658**	**11915**								**2607424**	**1274250**	**882347**	**4764022**	**2347400**	**949996**	**3297396**

Table 3.2
PRODUCTION AND DEVELOPMENT FORECAST
West Ells
Probable Plus Possible Reserves

Project Specifications

Bitumen production:	15,000	bopd
Steam injection:	46,500	bbls/day (cwe)
	775	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.10	Type Curve
	5	
Well Pair Count:	168	168
	6	
Infill Count:	168	168
Total:	336	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Operating Costs (In 2011 $CDN)

Battery:	4,500	$M / yr	5% of plant capital
	300	$M / yr per mstb/day installed capacity	
Steamer:	13,950	$M / yr	5% of plant capital
	18.0	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	6,000	$M / mbbl oil per day	90,000	$M Total
Steam gen, filtration, water handling:	6,000	$M / mbbl steam per day	279,000	$M Total
Other infrastructure capital ():			30,000	$M Total
Cogeneration, substation			26,115	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	155,917	$M Total
		Facil. Cap. Spent to Date:	2,174	$M Total
		Forecast Facility Capital:	578,858	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	151,700	$M Total		41
Drill, complete/pair inc. reduction:	3,350	$M / well pair	425,450	$M Total	2020	127
Drill, complete infill:	2,100	$M / well pair	352,800	$M Total		168
Well pad constr., facil., piping:	2,800	$M / well pair	470,400	$M Total		168
Downhole Pumps:	300	$M / well pair	100,800	$M Total		336
Additional Core holes: 13	400	$M / core-hole	5,200	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	302,400	$M Total		

Total Remaining Capital: 2,387,608 $M Total Forecast

	SAGD Well Pairs			Infills																		Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	51600	51600
2012	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	54672	157812	212484
2013	5	8	8	6	0	0	2280	12160	5.33	12160	5.33	7535	2671	314	4.49	42.56	0.5	0	1853	943	15385	14521	4387	34292	82816	99060	181875
2014	5	12	20	6	0	0	7220	30400	4.21	30400	4.21	15202	3042	633	4.94	46.82	1	83965	3705	3287	34090	25653	11657	71400	1698	31391	33088
2015	5	0	20	6	0	0	9500	30400	3.20	30400	3.20	15373	3213	641	5.40	51.18	1	68985	3705	4728	37602	17809	12611	68022	3031	54100	57131
2016	5	0	20	6	0	0	9500	30400	3.20	30400	3.20	15373	3213	641	5.85	55.45	1	68985	3705	5122	40735	14305	12863	67904	87112	55182	142294
2017	5	9	29	6	8	8	12975	42889	3.31	42889	3.31	20629	3473	860	6.31	59.81	1	46153	3705	7546	56044	27581	18370	101995	35699	22230	57930
2018	5	1	30	6	12	20	15104	39463	2.61	39463	2.61	19418	3633	809	6.74	63.88	1	32163	3705	9383	56885	24803	18303	99991	52265	11131	63396
2019	5	7	37	6	0	20	14356	43030	3.00	43030	3.00	20789	3577	866	6.87	65.12	1	37083	3705	9089	61419	24103	19633	105155	36439	12584	49022
2020	5	4	41	6	0	20	14449	43970	3.04	43970	3.04	20350	2762	848	7.01	66.44	1	36471	3705	9335	61548	25440	20386	107374	49298	13552	62850
2021	5	3	44	6	9	21	15110	43416	2.87	43416	2.87	18500	1133	771	7.15	67.77	1	32126	3705	9957	57950	26332	20832	105114	42604	14463	57067
2022	5	5	49	6	1	10	14313	43481	3.04	43481	3.04	18466	1074	769	7.29	69.13	1	37361	3705	9621	59020	27275	20983	107278	58003	14659	72663
2023	5	5	46	6	7	17	15204	43571	2.87	43571	2.87	18569	1140	774	7.44	70.51	1	31508	3705	10424	60479	27331	21766	109576	46418	15048	61465
2024	5	4	38	6	4	21	14865	43161	2.90	43161	2.90	18379	1115	766	7.59	71.92	1	33735	3705	10396	61164	26624	21918	109707	42301	14184	56485
2025	5	4	42	6	3	15	14480	43482	3.00	43482	3.00	18479	1086	770	7.74	73.36	1	36266	3705	10329	62668	27685	22332	112685	51064	14666	65730
2026	5	4	46	6	5	19	14922	42784	2.87	42784	2.87	18233	1119	760	7.89	74.82	1	33360	3705	10857	63212	29467	22678	115358	58747	16171	74918
2027	5	5	42	6	5	17	14721	43836	2.98	43836	2.98	18639	1104	777	8.05	76.32	1	34680	3705	10925	65669	28888	23473	118030	48185	15464	63649
2028	5	4	45	6	4	17	14836	42908	2.89	42908	2.89	18276	1113	762	8.21	77.85	1	33929	3705	11230	65896	30186	23610	119692	58600	16404	75004
2029	5	5	43	6	4	18	14791	43847	2.96	43847	2.96	18648	1109	777	8.38	79.40	1	34223	3705	11420	68352	30413	24455	123220	51417	16411	67827
2030	5	4	43	6	4	17	14809	43709	2.95	43709	2.95	18595	1111	775	8.55	80.99	1	34102	3705	11663	69552	30867	24893	125312	54630	16629	71260
2031	5	4	44	6	5	17	14856	43247	2.91	43247	2.91	18413	1114	767	8.72	82.61	1	33795	3705	11934	70366	31732	25211	127308	62187	17185	79372
2032	5	5	44	6	4	17	14889	44058	2.96	44058	2.96	18740	1117	781	8.89	84.26	1	33580	3705	12199	72833	32340	26088	131260	56837	17529	74366
2033	5	4	43	6	5	18	14987	43533	2.90	43533	2.90	18537	1124	772	9.07	85.95	1	32933	3705	12526	73620	32756	26418	132793	55191	17763	72955
2034	5	4	43	6	4	18	14740	42934	2.91	42934	2.91	18279	1106	762	9.25	87.67	1	34556	3705	12566	74220	33621	26556	134398	65993	18119	84112
2035	5	5	44	6	4	17	14782	43997	2.98	43997	2.98	18708	1109	779	9.43	89.42	1	34282	3705	12853	77180	34412	27606	139198	60799	18602	79401
2036	5	4	44	6	5	18	14963	43412	2.90	43412	2.90	18487	1122	770	9.62	91.21	1	33090	3705	13271	77949	35097	27965	141011	58077	19097	77174
2037	5	4	43	6	4	17	14633	42769	2.92	42769	2.92	18205	1097	759	9.82	93.03	1	35262	3705	13238	78498	35616	28049	142163	70033	19102	89135
2038	5	5	44	6	4	17	14753	43766	2.97	43766	2.97	18613	1106	776	10.01	94.90	1	34473	3705	13613	81557	36545	29166	147269	64520	19740	84260
2039	5	4	43	6	5	18	14894	43329	2.91	43329	2.91	18449	1117	769	10.21	96.79	1	33545	3705	14018	82577	36976	29599	149152	61632	20004	81637
2040	5	4	43	6	4	17	14633	42769	2.92	42769	2.92	18205	1097	759	10.42	98.73	1	35262	3705	14048	83303	37796	29766	150864	74319	20271	94590
2041	5	5	44	6	4	17	14753	43766	2.97	43766	2.97	18613	1106	776	10.62	100.70	1	34473	3705	14446	86549	38782	30951	156283	68469	20948	89418
2042	5	4	43	6	5	18	14894	43329	2.91	43329	2.91	18449	1117	769	10.84	102.72	1	33545	3705	14876	87631	39239	31411	158282	65405	21229	86633
2043	5	4	43	6	4	17	14633	42769	2.92	42769	2.92	18205	1097	759	11.05	104.77	1	35262	3705	14908	88402	40109	31588	160098	78868	21512	100380
2044	5	5	44	6	4	17	14753	43766	2.97	43766	2.97	18613	1106	776	11.28	106.87	1	34473	3705	15331	91847	41156	32846	165848	72660	22231	94891
2045	5	4	43	6	5	18	14894	43329	2.91	43329	2.91	18449	1117	769	11.50	109.01	1	33545	3705	15787	92995	41641	33334	167970	69408	22528	91936
2046	5	4	43	6	4	17	14633	42769	2.92	42769	2.92	18205	1097	759	11.73	111.19	1	35262	3705	15820	93812	42564	33521	169897	83695	22829	106524
2047	5	5	44	6	4	17	14753	43766	2.97	43766	2.97	16113	-1394	671	11.97	113.41	1	34473	3705	16269	86550	43675	34856	165081	77108	23591	100699
2048	5	4	43	6	5	18	14894	43329	2.91	43329	2.91	15949	-1383	665	12.20	115.68	1	33545	3705	16753	87550	44190	35374	167114	73656	23907	97563
2049	5	4	43	6	4	17	14633	42769	2.92	42769	2.92	15705	-1403	654	12.45	117.99	1	35262	3705	16789	88195	45169	35573	168937	49662	24226	73888
2050	5	2	41	6	4	17	13898	39206	2.82	39206	2.82	14225	-1458	593	12.70	120.35	1	40091	3705	16264	83097	46102	33567	162766	28575	24061	52636
2051	5	0	36	6	5	18	12329	32689	2.65	32689	2.65	11500	-1575	479	12.95	122.76	1	50398	3705	14717	71880	46988	29025	147894	23847	23052	46899
2052	5	0	32	6	4	17	10168	26049	2.56	26049	2.56	8682	-1737	362	13.21	125.21	1	64597	3705	12380	59730	48614	23818	132161	22972	21993	44965
2053	5	0	28	6	4	17	8103	19446	2.40	19446	2.40	5886	-1892	245	13.47	127.72	1	78164	3705	10063	47171	50386	18479	116037	13094	21054	34149
2054	5	0	23	6	2	15	5813	13376	2.30	13376	2.30	4108	-1242	171	13.74	130.27	1	93210	3705	7363	39196	51595	13129	103921	2812	19366	22178
2055	5	0	19	6	0	10	3658	8516	2.33	8516	2.33	3681	274	153	14.02	132.88	1	107366	3705	4726	37793	52429	8496	98718	2868	17423	20292
2056	5	0	15	6	0	6	2161	4963	2.30	4963	2.30	2147	162	89	14.30	135.53	0	0	0	0	11208	23734	5072	40014	1463	9644	11107
2057	5	0	10	6	0	2	1082	2552	2.36	2552	2.36	1102	81	46	14.59	138.24	0	0	0	0	5866	16404	2639	24910	0	6333	6333
2058	5	0	6	6	0	0	474	963	2.03	963	2.03	421	36	18	14.88	141.01	0	0	0	0	2284	10074	1064	13422	0	3713	3713
2059	5	0	2	6	0	0	139	166	1.20	166	1.20	77	10	3	15.17	143.83	0	0	0	0	426	4355	230	5012	0	1449	1449
2060	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**168**			**168**		**208865**	**612557**	**2.93**	**612557**		**260688**	**15665**								**2931958**	**1533378**	**1056551**	**5521887**	**2279150**	**1201243**	**3480394**

Table 3.3
PRODUCTION AND DEVELOPMENT FORECAST
West Ells
Low Estimate Contingent Resources

Project Specifications

Bitumen production:	40,000	bopd	
Steam injection:	138,000	bbls/day (cwe)	
	2,300	mmbtu/hr	
Steam Efficiency:	0.40	mcf/stb	
Facility SOR:	3.45	Type Curve	
		7	10
Well Pair Count:	582	330	252
Infill Count:	0		
Total:	582		
NCG Injection	75	scf/bbl bit average	
Compressor Fuel:	0	mcfd/mmcfd flue inj.	
Peak Flue Gas Inj.:	0	mcfd	
Compressor Size:	0	bhp	

Operating Costs (In 2011 $CDN)

Battery:	10,725	$M / yr	5% of plant capital
	268	$M / yr per mstb/day installed capacity	
Steamer:	36,938	$M / yr	5% of plant capital
	16.1	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital					
Oil treating facility (battery):	5,363	$M / mbbl oil per day	214,500	$M Total	
Steam gen, filtration, water handling:	5,353	$M / mbbl steam per day	738,750	$M Total	
Other infrastructure capital ():			60,000	$M Total	
Cogeneration, substation			60,345	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	302,969	$M Total	
		Facil. Cap. Spent to Date:	2,174	$M Total	
		Forecast Facility Capital:	1,374,390	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	447,700	$M Total	121
Drill, complete/pair inc. reduction:	3,350	$M / well pair	1,544,350	$M Total	2019 461
Drill, complete infill:	2,100	$M / well pair	0	$M Total	0
Well pad constr., facil., piping:	2,800	$M / well pair	1,629,600	$M Total	582
Downhole Pumps:	300	$M / well pair	174,600	$M Total	582
Additional Core holes: 105	400	$M / core-hole	42,000	$M Total	
FC Sustaining Capital:	150	$M/well pair per prod'g yr	747,900	$M Total	
		Total Remaining Capital:	5,960,540	$M Total Forecast	

	SAGD Well Pairs			Infills																		Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	51600	51600
2012	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	59160	158255	217415
2013	7	8	8	10	0	0	1800	9600	5.33	9600	5.33	6475	2635	270	4.49	42.56	0.5	0	1853	745	13648	14720	3463	31830	114444	99691	214135
2014	7	16	24	10	0	0	6600	28800	4.36	28800	4.36	27015	15495	1126	4.94	46.82	1	88038	3705	3005	55391	26750	10969	93111	6367	94028	100396
2015	7	0	24	10	0	0	9000	28800	3.20	28800	3.20	27195	15675	1133	5.40	51.18	1	72270	3705	4479	60904	18889	11947	91741	9092	307714	316806
2016	7	0	24	10	0	0	9000	28800	3.20	28800	3.20	27195	15675	1133	5.85	55.45	1	72270	3705	4852	65979	15423	12186	93588	626897	383635	1010532
2017	7	86	110	10	0	0	27831	130341	4.68	130341	4.68	69224	17087	2884	6.31	59.81	3	211348	11115	16185	185032	103314	52013	340359	41105	107613	148718
2018	7	5	115	10	0	0	40035	130514	3.26	130514	3.26	70208	18003	2925	6.74	63.88	3	131167	11115	24869	200063	78157	57205	335425	49393	30765	80158
2019	7	6	121	10	0	0	40032	130982	3.27	130982	3.27	70395	18002	2933	6.87	65.12	3	131191	11115	25347	204391	60725	58508	323624	63738	32434	96173
2020	7	4	125	10	0	0	40393	129905	3.22	129905	3.22	69991	18029	2916	7.01	66.44	3	128821	11115	26096	207523	62615	59428	329566	151179	33800	184979
2021	7	20	145	10	0	0	38933	130773	3.36	130773	3.36	68277	15968	2845	7.15	67.77	3	138410	11115	25656	207199	69510	60406	337116	182118	38133	220251
2022	7	24	161	10	0	0	37538	129902	3.46	129902	3.46	54776	2815	2282	7.29	69.13	3	147575	11115	25232	175404	75658	60792	311853	154427	41880	196307
2023	7	20	165	10	0	0	37908	130905	3.45	130905	3.45	55205	2843	2300	7.44	70.51	3	145145	11115	25990	180076	77891	62516	320484	179203	43478	222681
2024	7	22	187	10	0	0	40732	127235	3.12	127235	3.12	53949	3055	2248	7.59	71.92	3	126590	11115	28485	180199	82938	63447	326584	65004	48617	113621
2025	7	7	194	10	0	0	40589	123100	3.03	123100	3.03	52284	3044	2179	7.74	73.36	3	127528	11115	28953	179100	86472	63068	328640	218902	50975	269876
2026	7	26	134	10	0	0	37430	130758	3.49	130758	3.49	55111	2807	2296	7.89	74.82	3	148286	11115	27233	190826	74996	66097	331919	133039	39881	172921
2027	7	15	144	10	0	0	39005	130729	3.35	130729	3.35	55217	2925	2301	8.05	76.32	3	137936	11115	28947	194955	77963	68038	340956	163293	42738	206031
2028	7	19	157	10	0	0	39086	130581	3.34	130581	3.34	55164	2931	2298	8.21	77.85	3	137406	11115	29587	198695	82956	69372	351023	165929	46323	212252
2029	7	18	171	10	0	0	40036	130768	3.27	130768	3.27	55310	3003	2305	8.38	79.40	3	131160	11115	30913	203116	87720	71234	362069	164534	50249	214783
2030	7	18	169	10	0	0	39912	130569	3.27	130569	3.27	55221	2993	2301	8.55	80.99	3	131981	11115	31432	206901	89013	72521	368435	151654	50817	202471
2031	7	16	161	10	0	0	38956	126667	3.25	126667	3.25	53589	2922	2233	8.72	82.61	3	138261	11115	31293	205845	89279	71863	366988	190796	50050	240846
2032	10	20	161	10	0	0	38442	130103	3.38	130103	3.38	54925	2883	2289	8.89	84.26	3	141639	11115	31498	214297	91486	74594	380377	203933	51051	254984
2033	10	21	160	10	0	0	38196	130734	3.42	130734	3.42	55158	2865	2298	9.07	85.95	3	143252	11115	31923	219357	93224	76259	388841	169053	51841	220893
2034	10	17	170	10	0	0	38058	130245	3.42	130245	3.42	54952	2854	2290	9.25	87.67	3	144158	11115	32443	223049	98234	77496	398778	251910	55243	307152
2035	10	25	169	10	0	0	36309	130777	3.60	130777	3.60	55034	2723	2293	9.43	89.42	3	155653	11115	31571	227790	101411	78474	407675	247538	56106	303645
2036	10	24	178	10	0	0	35769	129949	3.63	129949	3.63	52162	183	2173	9.62	91.21	3	159197	11115	31724	222261	106753	79389	408402	240431	59443	299874
2037	10	23	182	10	0	0	35627	130405	3.66	130405	3.66	39834	-12328	1660	9.82	93.03	3	160131	11115	32230	182537	110301	81130	373968	269839	61636	331475
2038	10	25	189	10	0	0	35825	130361	3.64	130361	3.64	39831	-12313	1660	10.01	94.90	3	158831	11115	33057	186177	114619	82829	383624	253729	64661	318390
2039	10	23	194	10	0	0	35872	130824	3.65	130824	3.65	40020	-12310	1668	10.21	96.79	3	158524	11115	33762	190604	118539	84745	393887	258281	67260	325541
2040	10	23	181	10	0	0	35040	130466	3.72	130466	3.72	39815	-12372	1659	10.42	98.73	3	163987	11115	33639	193635	117275	85823	396733	275434	65142	340576
2041	10	24	184	10	0	0	35202	130755	3.71	130755	3.71	39942	-12360	1664	10.62	100.70	2	31523	7410	34471	183634	118955	87777	390367	268715	67260	335976
2042	10	23	190	10	0	0	35441	130485	3.68	130485	3.68	39852	-12342	1660	10.84	102.72	2	29954	7410	35398	186950	123224	89516	399691	58199	70268	128467
2043	10	4	169	10	0	0	31498	107961	3.43	107961	3.43	30547	-12638	1273	11.05	104.77	2	55861	7410	32089	153146	122108	76742	351995	13569	85737	79306
2044	7	0	145	10	0	0	24330	80483	3.31	80483	3.31	20970	-11223	874	11.28	106.87	2	102952	7410	25283	116796	123141	58831	298767	13263	60132	73396
2045	7	0	122	10	0	0	16733	53602	3.20	53602	3.20	22696	1255	946	11.50	109.01	1	21462	3705	17736	110824	123319	40268	274411	2353	54571	56923
2046	7	0	97	10	0	0	10728	32484	3.03	32484	3.03	13798	805	575	11.73	111.19	1	60916	3705	11599	74943	122679	25234	222855	0	48162	48162
2047	7	0	74	10	0	0	6572	17586	2.68	17586	2.68	7527	493	314	11.97	113.41	0	0	0	0	32874	64801	14389	112064	0	29806	29806
2048	7	0	51	10	0	0	3676	7349	2.00	7349	2.00	3215	276	134	12.20	115.68	0	0	0	0	14324	45055	6699	66078	0	20854	20854
2049	7	0	27	10	0	0	1619	2874	1.78	2874	1.78	1271	121	53	12.45	117.99	0	0	0	0	5776	27074	2785	35634	0	11810	11810
2050	7	0	4	10	0	0	225	400	1.78	400	1.78	177	17	7	12.70	120.35	0	0	0	0	820	7778	395	8993	0	2522	2522
2051	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	12.95	122.76	0	0	0	0	0	0	0	0	0	0	0
2052	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	13.21	125.21	0	0	0	0	0	0	0	0	0	0	0
2053	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	13.47	127.72	0	0	0	0	0	0	0	0	0	0	0
2054	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	13.74	130.27	0	0	0	0	0	0	0	0	0	0	0
2055	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	14.02	132.88	0	0	0	0	0	0	0	0	0	0	0
2056	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	7	0	0	10	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**582**			**0**		**401492**	**1378814**	**3.43**	**1378814**		**581637**	**30112**								**5855039**	**3104967**	**2118448**	**11078454**	**5416520**	**2766185**	**8182705**

Table 3.4
PRODUCTION AND DEVELOPMENT FORECAST
West Ells
Probable Reserves plus Best Estimate Contingent Resources

Project Specifications

Bitumen production:	80,000	bopd		
Steam injection:	247,900	bbls/day (cwe)		
	4,132	mmbtu/hr		
Steam Efficiency:	0.40	mcf/stb		
Facility SOR:	3.10		Type Curve	
		2	14	17
Well Pair Count:	1,001	164	338	499
	3	15	18	
Infill Count:	1,001	164	338	499
Total:	2,002			
NCG Injection	75	scf/bbl bit average		
Compressor Fuel:	0	mcfd/mmcfd flue inj.		
Peak Flue Gas Inj.:	0	mcfd		
Compressor Size:	0	bhp		

Operating Costs (In 2011 $CDN)

Battery:	22,800	$M / yr	5% of plant capital
	285	$M / yr per mstb/day installed capacity	
Steamer:	70,686	$M / yr	5% of plant capital
	17.1	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital					
Oil treating facility (battery):	5,700	$M / mbbl oil per day	456,000	$M Total	
Steam gen, filtration, water handling:	5,703	$M / mbbl steam per day	1,413,720	$M Total	
Other infrastructure capital ():			60,000	$M Total	
Cogeneration, substation			94,575	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	647,665	$M Total	
		Facil. Cap. Spent to Date:	2,174	$M Total	
		Forecast Facility Capital:	2,669,786	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	355,200	$M Total	96
Drill, complete/pair inc. reduction:	3,350	$M / well pair	3,031,750	$M Total	2019 905
Drill, complete infill:	2,100	$M / well pair	2,102,100	$M Total	1001
Well pad constr., facil., piping:	2,800	$M / well pair	2,802,800	$M Total	1001
Downhole Pumps:	300	$M / well pair	600,600	$M Total	2002
Additional Core holes: 215	400	$M / core-hole	86,000	$M Total	
FC Sustaining Capital:	150	$M/well pair per prod'g yr	1,426,650	$M Total	
		Total Remaining Capital:	13,074,886	$M Total Forecast	

	SAGD Well Pairs			Infills																		Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	2	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	51600	51600
2012	2	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	61200	157704	218904
2013	2	8	8	3	0	0	2040	11220	5.50	11220	5.50	7141	2653	298	4.49	42.56	0.5	0	1853	844	14739	14620	4028	33388	103000	98567	201567
2014	2	14	22	3	0	0	6970	30855	4.43	30855	4.43	30365	18023	1265	4.94	46.82	1	85607	3705	3173	61431	26174	11721	99326	8490	89251	97741
2015	2	0	22	3	0	0	9350	30855	3.30	30855	3.30	30543	18201	1273	5.40	51.18	1	69971	3705	4653	67503	18299	12708	98510	11257	289198	300455
2016	2	0	22	3	0	0	9350	30855	3.30	30855	3.30	30543	18201	1273	5.85	55.45	1	69971	3705	5041	73129	14810	12962	100900	484139	314038	798177
2017	2	63	85	3	8	8	26021	118084	4.54	118084	4.54	66685	19452	2779	6.31	59.81	2	91843	7410	15132	170652	94131	47387	312171	71399	172426	243825
2018	2	4	89	3	14	22	37406	117913	3.15	117913	3.15	67471	20305	2811	6.74	63.88	2	17045	7410	23236	184214	71880	52096	308191	61455	327842	389297
2019	2	7	96	3	0	22	36318	118525	3.26	118525	3.26	67634	20224	2818	6.87	65.12	2	24189	7410	22995	188176	56463	52976	297615	517112	411225	928336
2020	2	67	163	3	0	22	52051	205703	3.95	205703	3.95	103685	21404	4320	7.01	66.44	4	183628	14820	33628	303212	142907	89947	536066	180041	164437	344477
2021	2	1	156	3	63	77	66486	192728	2.90	192728	2.90	94064	16973	3919	7.15	67.77	4	88786	14820	43814	284168	121142	92266	497576	260012	203474	463486
2022	14	32	174	3	4	67	62995	205525	3.26	205525	3.26	86935	4725	3622	7.29	69.13	4	111721	14820	42343	270873	108710	97490	477073	326013	231429	557442
2023	14	36	210	3	7	74	69699	234100	3.36	234100	3.36	98867	5227	4119	7.44	70.51	5	199080	18525	47786	318751	155705	112505	586961	386243	109414	495657
2024	14	23	233	3	67	141	80720	234580	2.91	234580	2.91	99886	6054	4162	7.59	71.92	5	126671	18525	56449	327947	155273	119099	602320	279225	83078	362303
2025	14	33	203	3	1	79	73896	235323	3.18	235323	3.18	99672	5542	4153	7.74	73.36	5	171503	18525	52711	333900	137723	119138	590761	235527	72667	308194
2026	14	16	215	15	32	107	78246	235131	3.01	235131	3.01	99921	5868	4163	7.89	74.82	5	142924	18525	56930	341296	144031	123155	608482	353290	79369	432659
2027	14	26	234	15	36	136	80477	235362	2.92	235362	2.92	100180	6036	4174	8.05	76.32	5	128265	18525	59724	348885	154085	126605	629576	325144	87854	412999
2028	14	29	196	15	23	92	76553	234435	3.06	234435	3.06	99516	5741	4146	8.21	77.85	5	154047	18525	57948	353870	144007	127154	625030	323876	77009	400885
2029	14	24	219	15	33	124	79546	235244	2.96	235244	2.96	100064	5966	4169	8.38	79.40	5	134383	18525	61418	362623	155271	131283	649176	346850	86905	433754
2030	14	31	218	15	16	108	76449	234689	3.07	234689	3.07	99609	5734	4150	8.55	80.99	5	154733	18525	60207	368458	158298	132354	659110	326253	86676	412929
2031	14	25	207	15	26	98	76893	234240	3.05	234240	3.05	99463	5767	4144	8.72	82.61	5	151815	18525	61768	375362	156542	134999	666904	344368	84843	429212
2032	14	25	209	15	29	104	78168	235444	3.01	235444	3.01	100040	5863	4168	8.89	84.26	5	143435	18525	64049	384743	160083	138797	683623	340116	87677	427793
2033	14	26	202	15	24	95	77057	234606	3.04	234606	3.04	99622	5779	4151	9.07	85.95	5	150734	18525	64401	391052	160800	140693	692545	238390	86764	325154
2034	14	12	198	15	31	110	75303	217586	2.89	217586	2.89	92682	5648	3862	9.25	87.67	5	162261	18525	64193	375444	166571	134862	676877	544740	89327	634067
2035	17	45	217	15	25	109	74774	234680	3.14	234680	3.14	99480	5608	4145	9.43	89.42	5	165732	18525	65018	406363	176075	145340	727778	415218	95577	510795
2036	17	31	219	15	25	105	75858	235290	3.10	235290	3.10	99805	5689	4159	9.62	91.21	5	158611	18525	67279	415633	178635	149058	743326	403343	97488	500831
2037	17	29	224	15	26	107	75505	234998	3.11	234998	3.11	99662	5663	4153	9.82	93.03	5	160932	18525	68306	423432	184456	151723	759611	488973	100944	589917
2038	17	40	233	15	12	88	71058	234659	3.30	234659	3.30	99193	5329	4133	10.01	94.90	5	190148	18525	65568	430187	192084	152373	774644	567881	102835	670716
2039	17	36	244	18	45	108	73181	234989	3.21	234989	3.21	99484	5489	4145	10.21	96.79	5	176203	18525	68877	439876	200948	156667	797491	495408	110376	605784
2040	17	33	252	18	31	114	73381	234509	3.20	234509	3.20	99307	5504	4138	10.42	98.73	5	174886	18525	70447	448000	208525	159655	816180	561788	115514	677302
2041	17	39	265	18	29	117	73701	234888	3.19	234888	3.19	99483	5528	4145	10.62	100.70	5	172787	18525	72169	457642	217425	163218	838285	608346	121764	730109
2042	17	37	245	18	40	145	74258	235010	3.16	235010	3.16	97073	3069	4045	10.84	102.72	5	169127	18525	74169	457263	219089	166849	843201	550120	122536	672656
2043	17	33	247	18	36	136	74543	234234	3.14	234234	3.14	81784	-11909	3408	11.05	104.77	5	167256	18525	75943	404721	222276	169915	796912	597871	124280	722151
2044	17	37	255	18	33	138	74597	235443	3.16	235443	3.16	82272	-11905	3428	11.28	106.87	5	166897	18525	77518	414823	229987	174023	818832	627416	129361	756777
2045	17	36	251	18	39	148	74889	234838	3.14	234838	3.14	82052	-11883	3419	11.50	109.01	5	164977	18525	79378	422195	234653	177324	834172	614966	132242	747208
2046	17	35	250	18	37	145	74809	234413	3.13	234413	3.13	81876	-11889	3411	11.73	111.19	5	165506	18525	80879	429885	238473	180575	848934	635665	134137	769802
2047	17	37	254	18	33	142	74626	235223	3.15	235223	3.15	82186	-11903	3424	11.97	113.41	4	35310	14820	82294	423657	242678	184560	850895	593301	137585	730886
2048	17	31	246	18	37	146	73640	228562	3.10	228562	3.10	79448	-11977	3310	12.20	115.68	4	41782	14820	82832	419933	246243	183606	849782	202243	138464	340706
2049	17	0	209	18	36	143	64812	183537	2.83	183537	2.83	60776	-12639	2532	12.45	117.99	4	99786	14820	74359	343489	245609	153905	743003	200557	128977	329534
2050	17	0	176	18	35	141	51424	137915	2.68	137915	2.68	47036	-8130	1960	12.70	120.35	3	56347	11115	60179	269510	252205	119682	639397	212361	120516	332878
2051	17	0	139	18	37	145	38479	93539	2.43	93539	2.43	40301	2886	1679	12.95	122.76	2	9995	7410	45931	225548	253933	85118	564599	167590	111334	278924
2052	17	0	103	18	31	139	27597	58651	2.13	58651	2.13	25530	2070	1064	13.21	125.21	0	0	0	0	123103	182576	56720	362399	23648	79872	103520
2053	17	0	68	18	0	103	15347	29340	1.91	29340	1.91	12887	1151	537	13.47	127.72	0	0	0	0	63382	131990	29976	225348	25499	57034	82534
2054	17	0	31	18	0	68	6471	9279	1.43	9279	1.43	4197	485	175	13.74	130.27	0	0	0	0	21054	77251	10776	109082	21792	32448	54239
2055	17	0	0	18	0	31	1135	1135	1.00	1135	1.00	539	85	22	14.02	132.88	0	0	0	0	2759	25705	1584	30049	0	9275	9275
2056	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	17	0	0	18	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**1001**			**1001**		**903768**	**2795219**	**3.09**	**2795219**		**1185870**	**67783**								**12942883**	**6676343**	**4786874**	**24406100**	**14142125**	**5745334**	**19887459**

Table 3.5
PRODUCTION AND DEVELOPMENT FORECAST
West Ells
Probable plus Possible Reserves plus High Estimate Contingent Resources

Project Specifications

Bitumen production:	100,000	bopd		
Steam injection:	275,100	bbls/day (cwe)		
	4,585	mmbtu/hr		
Steam Efficiency:	0.40	mcf/stb		
Facility SOR:	2.75	Type Curve		
		5	20	23
Well Pair Count:	1,060	168	338	554
		6	21	24
Infill Count:	1,060	168	338	554
Total:	2,120			
NCG Injection	75	scf/bbl bit average		
Compressor Fuel:	0	mcfd/mmcfd flue inj.		
Peak Flue Gas Inj.:	0	mcfd		
Compressor Size:	0	bhp		

Operating Costs (In 2011 $CDN)

Battery:	27,975	$M / yr	5% of plant capital
	280	$M / yr per mstb/day installed capacity	
Steamer:	77,083	$M / yr	5% of plant capital
	16.8	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital					
Oil treating facility (battery):	5,595	$M / mbbl oil per day	559,500	$M Total	
Steam gen, filtration, water handling:	5,604	$M / mbbl steam per day	1,541,655	$M Total	
Other infrastructure capital ():			60,000	$M Total	
Cogeneration, substation			94,575	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	800,706	$M Total	
		Facil. Cap. Spent to Date:	2,174	$M Total	
		Forecast Facility Capital:	3,054,262	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	292,300	$M Total	79
Drill, complete/pair inc. reduction:	3,350	$M / well pair	3,286,350	$M Total	2019 981
Drill, complete infill:	2,100	$M / well pair	2,226,000	$M Total	1060
Well pad constr., facil., piping:	2,800	$M / well pair	2,968,000	$M Total	1060
Downhole Pumps:	300	$M / well pair	636,000	$M Total	2120
Additional Core holes: 231	400	$M / core-hole	92,400	$M Total	
FC Sustaining Capital:	150	$M/well pair per prod'g yr	1,741,800	$M Total	
		Total Remaining Capital:	14,297,112	$M Total	Forecast

	SAGD Well Pairs			Infills																	Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	51600	51600
2012	5	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	61200	157704	218904
2013	5	8	8	6	0	0	2280	12160	5.33	12160	5.33	7535	2671	314	4.49	42.56	0.5	0	1853	943	15385	14521	4387	34292	89474	98567	188041
2014	5	12	20	6	0	0	7220	30400	4.21	30400	4.21	30202	18042	1258	4.94	46.82	1	0	3705	3287	61137	25653	11657	98447	8490	84810	93300
2015	5	0	20	6	0	0	9500	30400	3.20	30400	3.20	30373	18213	1266	5.40	51.18	1	68985	3705	4728	67167	17809	12611	97587	11257	272052	283309
2016	5	0	20	6	0	0	9500	30400	3.20	30400	3.20	30373	18213	1266	5.85	55.45	1	68985	3705	5122	72764	14305	12863	99933	397359	296549	693908
2017	5	51	71	6	8	8	24945	106729	4.28	106729	4.28	62062	19371	2586	6.31	59.81	2	98910	7410	14507	160005	87354	43299	290659	66669	160873	227542
2018	5	4	75	6	12	20	35909	107863	3.00	107863	3.00	63338	20193	2639	6.74	63.88	2	26875	7410	22306	174048	66154	48224	288426	39055	306961	346016
2019	5	4	79	6	0	20	34876	106870	3.06	106870	3.06	62864	20116	2619	6.87	65.12	2	33667	7410	22082	176215	51052	48495	275761	419220	389398	808618
2020	5	54	133	6	0	20	48649	183810	3.78	183810	3.78	94673	21149	3945	7.01	66.44	4	205977	14820	31430	280153	131027	81120	492301	202090	190252	392343
2021	5	8	141	6	51	63	65014	184601	2.84	184601	2.84	90703	16862	3779	7.15	67.77	4	98461	14820	42843	275395	111044	88849	475289	141403	349238	490641
2022	5	16	157	6	4	55	62181	184358	2.96	184358	2.96	78407	4664	3267	7.29	69.13	4	117072	14820	41796	248172	98936	89510	436618	124648	379921	504570
2023	5	11	160	6	4	59	60360	180567	2.99	180567	2.99	76754	4527	3198	7.44	70.51	5	260438	18525	41383	258707	182385	89222	530313	717825	140616	858441
2024	20	70	218	6	54	113	82848	260200	3.14	260200	3.14	110294	6214	4596	7.59	71.92	5	112687	18525	57938	356772	171548	129581	657901	212475	80445	292920
2025	20	23	241	6	8	70	89957	260756	2.90	260756	2.90	111049	6747	4627	7.74	73.36	5	65982	18525	64167	366042	150022	135126	651189	245027	82351	327378
2026	20	24	265	6	16	82	92722	261077	2.82	261077	2.82	111385	6954	4641	7.89	74.82	5	47814	18525	67463	374330	158762	139041	672133	230143	90054	320198
2027	20	18	232	6	11	89	91509	260104	2.84	260104	2.84	110905	6863	4621	8.05	76.32	5	55785	18525	67911	380405	155063	140945	676412	298993	85781	384773
2028	20	10	238	21	70	105	101304	260836	2.57	260836	2.57	111932	7598	4684	8.21	77.85	5	-8568	18525	76684	391093	154513	148068	693675	325556	90437	415993
2029	20	28	262	21	23	120	101050	260703	2.58	260703	2.58	111860	7579	4661	8.38	79.40	5	-6898	18525	78022	398695	166438	150668	716001	374272	98994	473266
2030	20	33	241	21	24	128	97666	260493	2.67	260493	2.67	111522	7325	4647	8.55	80.99	5	15334	18525	76917	405614	167676	152357	725647	349853	97259	447112
2031	20	29	262	21	18	135	97631	259974	2.66	259974	2.66	111312	7322	4638	8.72	82.61	5	15567	18525	78427	413058	178048	155163	746270	337236	104665	441901
2032	20	31	277	21	10	75	93172	260002	2.79	260002	2.79	110989	6988	4625	8.89	84.26	5	44862	18525	76342	420270	180898	156306	757473	301466	103348	404814
2033	20	20	286	21	28	80	96424	260664	2.70	260664	2.70	111498	7232	4646	9.07	85.95	5	23497	18525	80587	430360	185211	161199	776770	347614	108082	455695
2034	20	23	239	21	33	89	97397	260713	2.68	260713	2.68	111590	7305	4650	9.25	87.67	5	17099	18525	83028	439279	175218	164894	779391	338481	100191	438672
2035	20	23	239	21	29	100	98578	260804	2.65	260804	2.65	111715	7393	4655	9.43	89.42	5	9342	18525	85716	448495	179394	168789	796678	187222	103522	290744
2036	20	6	221	21	31	121	93625	232708	2.49	232708	2.49	100105	7022	4171	9.62	91.21	5	41882	18525	83037	416686	185012	156332	758031	611044	103746	714790
2037	23	51	254	21	20	113	92231	260968	2.83	260968	2.83	111304	6917	4638	9.82	93.03	5	51040	18525	83437	465143	199291	172586	837021	395094	113101	508195
2038	23	28	272	21	23	103	93774	260087	2.77	260087	2.77	111068	7033	4628	10.01	94.90	5	40906	18525	86529	473581	206114	176368	856063	395315	118691	514006
2039	23	28	272	21	23	97	92231	260885	2.83	260885	2.83	111271	6917	4636	10.21	96.79	5	51040	18525	86808	483812	210685	179517	874015	412362	120281	532643
2040	23	33	272	21	6	72	86633	260315	3.00	260315	3.00	110623	6497	4609	10.42	98.73	5	87823	18525	83169	491024	216012	179908	886944	621457	119357	740814
2041	23	37	280	24	51	103	89046	260784	2.93	260784	2.93	110992	6678	4625	10.62	100.70	5	71968	18525	87196	502275	226142	185031	913448	524117	128129	652247
2042	23	35	284	24	28	108	89339	260991	2.92	260991	2.92	111097	6700	4629	10.84	102.72	5	70041	18525	89233	512735	232678	189002	934414	562037	132493	694530
2043	23	38	302	24	28	113	91553	260728	2.85	260728	2.85	111158	6866	4632	11.05	104.77	5	55496	18525	93273	523235	242493	193855	959583	551228	140938	692166
2044	23	32	311	24	33	140	94611	260453	2.75	260453	2.75	111277	7096	4637	11.28	106.87	5	35408	18525	98315	534191	252470	199294	985955	634913	150245	785158
2045	23	38	275	24	37	126	91781	260835	2.84	260835	2.84	111217	6884	4634	11.50	109.01	5	54000	18525	97282	544624	244331	201878	990834	592908	140603	733512
2046	23	34	275	24	35	133	93217	260383	2.79	260383	2.79	108645	4491	4527	11.73	111.19	5	44565	18525	100780	544501	249009	206491	1000002	629065	144465	773530
2047	23	35	282	24	38	143	94541	260750	2.76	260750	2.76	93891	-10409	3912	11.97	113.41	5	35867	18525	104256	490955	257229	211628	959813	622064	151026	773090
2048	23	35	284	24	32	142	94180	260624	2.77	260624	2.77	93813	-10437	3909	12.20	115.68	5	38240	18525	105935	500429	263379	215565	979373	669773	154515	824287
2049	23	36	283	24	38	143	94314	260547	2.76	260547	2.76	93792	-10426	3908	12.45	117.99	5	37358	18525	108208	510343	268289	219911	998544	654835	157446	812281
2050	23	35	283	24	34	142	94203	260898	2.77	260898	2.77	93924	-10435	3914	12.70	120.35	5	38084	18525	110242	521163	273577	224462	1019201	681895	160433	842327
2051	23	36	281	24	35	139	93949	261067	2.78	261067	2.78	93973	-10454	3916	12.95	122.76	5	39753	18525	112144	531816	277868	228896	1038580	523637	162482	686119
2052	23	23	272	24	35	142	91448	245227	2.68	245227	2.68	87449	-10641	3644	13.21	125.21	5	56188	18525	111341	510995	283227	221411	1015634	216887	163198	380085
2053	23	0	234	24	36	140	80061	196514	2.45	196514	2.45	67110	-11495	2796	13.47	127.72	5	130998	18525	99427	421181	285831	185525	892538	217779	153023	370802
2054	23	0	200	24	35	141	65219	148400	2.28	148400	2.28	52265	-7095	2178	13.74	130.27	4	97108	14820	82615	336544	293272	146161	775976	217917	144309	362226
2055	23	0	165	24	36	142	50849	101576	2.00	101576	2.00	44444	3814	1852	14.02	132.88	3	60122	11115	65700	284296	299827	106376	690500	141252	134827	276079
2056	23	0	130	24	23	130	36770	61965	1.69	61965	1.69	27544	2758	1148	14.30	135.53	0	0	0	0	143761	222674	70285	436720	25597	97587	123185
2057	23	0	94	24	0	94	22611	32223	1.43	32223	1.43	14585	1696	608	14.59	138.24	0	0	0	0	77648	167200	39815	284662	26855	72568	99424
2058	23	0	59	24	0	59	12026	13698	1.14	13698	1.14	6381	902	266	14.88	141.01	0	0	0	0	34651	112878	19052	166581	17501	47626	65127
2059	23	0	23	24	0	23	4116	4604	1.12	4604	1.12	2150	309	90	15.17	143.83	0	0	0	0	11910	58577	6587	77075	0	21676	21676
2060	23	0	0	24	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	23	0	0	24	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	23	0	0	24	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**1060**			**1060**		**1220203**	**3369575**	**2.76**	**3369575**		**1439345**	**91515**								**16481060**	**8351100**	**6268512**	**31100672**	**15772560**	**7056437**	**22828996**

Table 3.6
PRODUCTION AND DEVELOPMENT FORECAST
SWElls
Best Estimate Contingent Resources

Project Specifications

Bitumen production:	4,000	bopd
Steam injection:	13,600	bbls/day (cwe)
	227	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.40	
Type Curve		
	44	
Well Pair Count:	60	60
		45
Infill Count:	60	60
Total:	120	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Operating Costs (In 2011 $CDN)

Battery:	1,460	$M / yr	5% of plant capital
	365	$M / yr per mstb/day installed capacity	
Steamer:	4,964	$M / yr	5% of plant capital
	21.9	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	0	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	7,300	$M / mbbl oil per day	29,200	$M Total
Steam gen, filtration, water handling:	7,300	$M / mbbl steam per day	99,280	$M Total
Other infrastructure capital ():			12,000	$M Total
Cogeneration, substation			0	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	38,564	$M Total
		Facil. Cap. Spent to Date:	0	$M Total
		Forecast Facility Capital:	179,044	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	48,100	$M Total		13
Drill, complete/pair inc. reduction:	3,350	$M / well pair	157,450	$M Total	2024	47
Drill, complete infill:	2,100	$M / well pair	126,000	$M Total		60
Well pad constr., facil., piping:	2,800	$M / well pair	168,000	$M Total		60
Downhole Pumps:	300	$M / well pair	36,000	$M Total		120
Additional Core holes: 17	400	$M / core-hole	6,800	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	81,000	$M Total		
		Total Remaining Capital:	802,394	$M Total Forecast		

	SAGD Well Pairs			Infills								NCG+								Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	44	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	44	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	0	0	0
2013	44	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	0	0	0
2014	44	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	0	0	0
2015	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	0	0	0
2016	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	5.85	55.45	0	0	0	0	0	0	0	0	0	0	0
2017	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	6.31	59.81	0	0	0	0	0	0	0	0	0	0	0
2018	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	6.74	63.88	0	0	0	0	0	0	0	0	1378	14758	16137
2019	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	6.87	65.12	0	0	0	0	0	0	0	0	1406	60214	61620
2020	44	0	0	45	0	0	0	0	0.00	0	0.00	0	0	0	7.01	66.44	0	0	0	0	0	0	0	0	7915	75759	154874
2021	44	10	10	45	0	0	1950	12675	6.50	12675	6.50	5216	146	217	7.15	67.77	0	0	0	0	13613	18002	5206	36821	1463	19056	20519
2022	44	0	10	45	0	0	3250	12675	3.90	12675	3.90	5314	244	221	7.29	69.13	0	0	0	0	14145	14368	5782	34296	9574	3463	13037
2023	44	1	11	45	0	0	2989	12166	4.07	12166	4.07	5091	224	212	7.44	70.51	0	0	0	0	13822	10826	5612	30260	21306	3722	25028
2024	44	2	13	45	0	0	2781	11860	4.26	11860	4.26	4952	209	206	7.59	71.92	0	0	0	0	13716	11539	5530	30785	35121	4185	39306
2025	44	1	14	45	10	10	3952	12149	3.07	12149	3.07	5156	296	215	7.74	73.36	0	0	0	0	14565	13290	6203	34058	32855	5456	38311
2026	44	4	18	45	0	10	4031	12386	3.07	12386	3.07	5257	302	219	7.89	74.82	0	0	0	0	15147	14589	6452	36189	11911	6372	18283
2027	44	1	19	45	1	11	3954	11916	3.01	11916	3.01	5063	297	211	8.05	76.32	0	0	0	0	14880	15276	6361	36518	35624	6809	42433
2028	44	3	12	45	2	13	3424	12401	3.62	12401	3.62	5217	257	217	8.21	77.85	0	0	0	0	15640	13969	6470	36079	21844	5685	27528
2029	44	2	14	45	1	4	3334	12204	3.66	12204	3.66	5132	250	214	8.38	79.40	0	0	0	0	15691	13563	6480	35734	30422	5263	35684
2030	44	2	15	45	4	8	3769	12825	3.40	12825	3.40	5413	283	226	8.55	80.99	0	0	0	0	16882	14673	7059	38615	23163	6024	29187
2031	44	2	15	45	1	8	3595	11915	3.31	11915	3.31	5036	270	210	8.72	82.61	0	0	0	0	16020	14966	6730	37716	28976	6144	35120
2032	44	2	16	45	3	9	3710	12246	3.30	12246	3.30	5177	278	216	8.89	84.26	0	0	0	0	16798	15702	7062	39562	37058	6608	43666
2033	44	3	15	45	2	10	3732	12877	3.45	12877	3.45	5431	280	226	9.07	85.95	0	0	0	0	17975	15868	7498	41341	26900	6624	33524
2034	44	2	16	45	2	8	3820	12879	3.37	12879	3.37	5438	287	227	9.25	87.67	0	0	0	0	18359	16185	7689	42234	28384	6757	35141
2035	44	2	15	45	2	9	3706	12568	3.39	12568	3.39	5305	278	221	9.43	89.42	0	0	0	0	18269	16355	7644	42268	28952	6771	35723
2036	44	2	15	45	2	8	3594	12243	3.41	12243	3.41	5167	270	215	9.62	91.21	0	0	0	0	18148	16524	7587	42259	32484	6784	39268
2037	44	2	15	45	3	9	3671	12163	3.31	12163	3.31	5140	275	214	9.82	93.03	0	0	0	0	18416	17015	7737	43169	29620	7045	36664
2038	44	2	15	45	2	9	3604	11743	3.26	11743	3.26	4968	270	207	10.01	94.90	0	0	0	0	18154	17356	7649	43158	40709	7186	47895
2039	44	3	16	45	2	9	3731	12920	3.46	12920	3.46	5448	280	227	10.21	96.79	0	0	0	0	20306	18037	8465	46808	31338	7591	38929
2040	44	2	15	45	2	9	3754	12745	3.40	12745	3.40	5380	282	224	10.42	98.73	0	0	0	0	20454	18057	8555	47066	31432	7476	38908
2041	44	2	15	45	2	8	3667	12527	3.42	12527	3.42	5286	275	220	10.62	100.70	0	0	0	0	20499	18244	8565	47308	32605	7490	40094
2042	44	2	15	45	2	8	3594	12243	3.41	12243	3.41	5167	270	215	10.84	102.72	0	0	0	0	20437	18609	8544	47590	36582	7639	44222
2043	44	2	15	45	3	9	3671	12163	3.31	12163	3.31	5140	275	214	11.05	104.77	0	0	0	0	20740	19162	8713	48615	33356	7934	41290
2044	44	2	15	45	2	9	3604	11743	3.26	11743	3.26	4968	270	207	11.28	106.87	0	0	0	0	20444	19545	8614	48603	45845	8092	53937
2045	44	3	16	45	2	9	3731	12920	3.46	12920	3.46	5448	280	227	11.50	109.01	0	0	0	0	22868	20313	9533	52713	23234	8548	31782
2046	44	1	14	45	2	9	3559	11478	3.23	11478	3.23	4858	267	202	11.73	111.19	0	0	0	0	20801	19951	8781	49532	10799	8119	18919
2047	44	0	12	45	2	8	2952	8724	2.96	8724	2.96	3711	221	155	11.97	113.41	0	0	0	0	16208	19371	6955	42534	11627	7517	19144
2048	44	0	10	45	2	8	2275	6083	2.67	6083	2.67	2604	171	108	12.20	115.68	0	0	0	0	11599	18959	5078	35636	14981	7043	22024
2049	44	0	8	45	3	9	1865	4107	2.20	4107	2.20	1783	140	74	12.45	117.99	0	0	0	0	8101	18727	3701	30529	5730	6706	12436
2050	47	0	6	45	1	8	1309	2157	1.65	2157	1.65	961	98	40	12.70	120.35	0	0	0	0	4453	10327	2191	16971	1299	4481	5780
2051	47	0	4	45	0	6	743	1033	1.39	1033	1.39	469	56	20	12.95	122.76	0	0	0	0	2217	7474	1145	10836	1987	3220	5207
2052	47	0	1	45	0	4	271	338	1.25	338	1.25	155	20	6	13.21	125.21	0	0	0	0	749	3987	400	5136	676	1551	2227
2053	47	0	0	45	0	1	41	41	1.00	41	1.00	19	3	1	13.47	127.72	0	0	0	0	95	1226	55	1376	0	373	373
2054	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	13.74	130.27	0	0	0	0	0	0	0	0	0	0	0
2055	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	14.02	132.88	0	0	0	0	0	0	0	0	0	0	0
2056	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**60**			**60**		**37098**	**125235**	**3.38**	**125235**		**52876**	**2782**								**500213**	**502055**	**210048**	**1212315**	**839758**	**364463**	**1204221**

Table 3.7
PRODUCTION AND DEVELOPMENT FORECAST
SWElls
High Estimate Contingent Resources

Project Specifications

Bitumen production:	12,000	bopd	
Steam injection:	36,000	bbls/day (cwe)	
	600	mmbtu/hr	
Steam Efficiency:	0.40	mcf/stb	
Facility SOR:	3.00		Type Curve
		47	
Well Pair Count:	175	175	
		48	
Infill Count:	175	175	
Total:	350		
NCG Injection	75	scf/bbl bit average	
Compressor Fuel:	0	mcfd/mmcfd flue inj.	
Peak Flue Gas Inj.:	0	mcfd	
Compressor Size:	0	bhp	

Operating Costs (In 2011 $CDN)

Battery:	4,290	$M / yr	5% of plant capital
	358	$M / yr per mstb/day installed capacity	
Steamer:	12,870	$M / yr	5% of plant capital
	21.5	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	0	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	7,150	$M / mbbl oil per day	85,800	$M Total
Steam gen, filtration, water handling:	7,150	$M / mbbl steam per day	257,400	$M Total
Other infrastructure capital ():			24,000	$M Total
Cogeneration, substation			0	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	121,939	$M Total
		Facil. Cap. Spent to Date:	0	$M Total
		Forecast Facility Capital:	489,139	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	107,300	$M Total		29
Drill, complete/pair inc. reduction:	3,350	$M / well pair	489,100	$M Total	2024	146
Drill, complete infill:	2,100	$M / well pair	367,500	$M Total		175
Well pad constr., facil., piping:	2,800	$M / well pair	490,000	$M Total		175
Downhole Pumps:	300	$M / well pair	105,000	$M Total		350
Additional Core holes: 47	400	$M / core-hole	18,800	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	223,125	$M Total		

Total Remaining Capital: 2,289,964 $M Total Forecast

	SAGD Well Pairs			Infills									NCG+								Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	47	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	47	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	0	0	0
2013	47	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	0	0	0
2014	47	0	0	2	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	0	0	0
2015	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	0	0	0
2016	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	5.85	55.45	0	0	0	0	0	0	0	0	0	0	0
2017	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	6.31	59.81	0	0	0	0	0	0	0	0	0	0	0
2018	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	6.74	63.88	0	0	0	0	0	0	0	0	3676	39423	43099
2019	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	6.87	65.12	0	0	0	0	0	0	0	0	3749	160845	164595
2020	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	7.01	66.44	0	0	0	0	0	0	0	0	190259	192745	383003
2021	47	24	24	48	0	0	5400	33750	6.25	33750	6.25	13905	405	579	7.15	67.77	0	0	0	0	36290	47453	13935	97678	3901	50408	54309
2022	47	0	24	48	0	0	9000	33750	3.75	33750	3.75	14175	675	591	7.29	69.13	0	0	0	0	37734	37734	15521	90989	3979	8743	12722
2023	47	0	24	48	0	0	9000	33750	3.75	33750	3.75	14175	675	591	7.44	70.51	0	0	0	0	38489	27607	15831	81927	53900	8918	62819
2024	47	5	29	48	0	0	8070	33076	4.10	33076	4.10	13836	605	576	7.59	71.92	0	0	0	0	38318	29401	15542	83262	152710	10067	162777
2025	47	11	40	48	24	24	12086	31951	2.64	31951	2.64	13687	906	570	7.74	73.36	0	0	0	0	38665	35816	16967	91448	16230	14820	31050
2026	47	2	42	48	0	24	12051	31438	2.61	31438	2.61	13479	904	562	7.89	74.82	0	0	0	0	38839	37049	17091	92980	51681	15521	67202
2027	47	6	24	48	0	24	10057	33337	3.31	33337	3.31	14089	754	587	8.05	76.32	0	0	0	0	41409	33046	17395	91850	71042	12124	83166
2028	47	5	29	48	5	29	10733	33094	3.08	33094	3.08	14042	805	585	8.21	77.85	0	0	0	0	42097	35723	17919	95740	84855	13942	98797
2029	47	6	35	48	11	40	12144	32374	2.67	32374	2.67	13860	911	578	8.38	79.40	0	0	0	0	42382	39591	18566	100539	52488	16685	69173
2030	47	5	35	48	2	18	10695	32855	3.07	32855	3.07	13944	802	581	8.55	80.99	0	0	0	0	43491	37306	18526	99323	76483	14615	91097
2031	47	6	30	48	6	24	10794	32941	3.05	32941	3.05	13986	810	583	8.72	82.61	0	0	0	0	44494	37482	18976	100952	68874	14461	83335
2032	47	5	33	48	5	29	11315	33170	2.93	33170	2.93	14117	849	588	8.89	84.26	0	0	0	0	45808	39832	19688	105328	78208	16001	94209
2033	47	6	33	48	6	30	11402	33661	2.95	33661	2.95	14319	855	597	9.07	85.95	0	0	0	0	47396	40777	20342	108515	69337	16437	85774
2034	47	5	33	48	5	24	11063	33044	2.99	33044	2.99	14047	830	585	9.25	87.67	0	0	0	0	47425	40684	20309	108419	82787	16056	98843
2035	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	9.43	89.42	0	0	0	0	49253	42115	21122	112490	72138	16860	88998
2036	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	9.62	91.21	0	0	0	0	49507	42800	21254	113561	86132	17074	103206
2037	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	9.82	93.03	0	0	0	0	51243	43817	21975	117035	75053	17541	92594
2038	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	10.01	94.90	0	0	0	0	51508	44529	22112	118149	89612	17764	107375
2039	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	10.21	96.79	0	0	0	0	53313	45587	22863	121763	78085	18249	96334
2040	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	10.42	98.73	0	0	0	0	53588	46328	23006	122922	93232	18481	111713
2041	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	10.62	100.70	0	0	0	0	55467	47429	23786	126682	81240	18987	100226
2042	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	10.84	102.72	0	0	0	0	55753	48200	23935	127888	96998	19228	116226
2043	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	11.05	104.77	0	0	0	0	57708	49345	24747	131800	84522	19754	104275
2044	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	11.28	106.87	0	0	0	0	58006	50147	24902	133055	100917	20005	120922
2045	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	11.50	109.01	0	0	0	0	60039	51338	25747	137125	87936	20552	108488
2046	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	11.73	111.19	0	0	0	0	60349	52173	25908	138431	104994	20813	125807
2047	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	11.97	113.41	0	0	0	0	62465	53412	26787	142665	91489	21382	112871
2048	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	12.20	115.68	0	0	0	0	62787	54281	26955	144023	109236	21654	130890
2049	47	6	33	48	6	28	11341	33630	2.97	33630	2.97	14303	851	596	12.45	117.99	0	0	0	0	64988	55570	27870	148428	95185	22246	117431
2050	47	5	33	48	5	27	11236	33130	2.95	33130	2.95	14095	843	587	12.70	120.35	0	0	0	0	65324	56474	28044	149842	47083	22528	69612
2051	47	1	28	48	6	28	10216	26599	2.60	26599	2.60	11406	766	475	12.95	122.76	0	0	0	0	53920	55696	23737	133352	31133	21489	52622
2052	47	0	23	48	5	27	8236	19068	2.32	19068	2.32	8245	618	344	13.21	125.21	0	0	0	0	39755	54431	17956	112142	35134	20060	55195
2053	47	0	17	48	6	28	6241	11130	1.78	11130	1.78	4920	468	205	13.47	127.72	0	0	0	0	24200	53094	11653	88946	28945	18566	47512
2054	47	0	12	48	5	27	4539	5204	1.15	5204	1.15	2422	340	101	13.74	130.27	0	0	0	0	12151	51681	6666	70498	8435	17005	25440
2055	47	0	6	48	1	23	2808	2329	0.83	2329	0.83	1142	211	48	14.02	132.88	0	0	0	0	5845	49044	3585	58474	4302	14477	18779
2056	47	0	1	48	0	17	1471	874	0.59	874	0.59	460	110	19	14.30	135.53	0	0	0	0	2400	13692	1669	17761	3657	5323	8980
2057	47	0	0	48	0	12	822	411	0.50	411	0.50	226	62	9	14.59	138.24	0	0	0	0	1203	9702	895	11799	746	3605	4351
2058	47	0	0	48	0	6	363	181	0.50	181	0.50	100	27	4	14.88	141.01	0	0	0	0	541	6094	403	7038	0	2068	2068
2059	47	0	0	48	0	1	57	29	0.50	29	0.50	16	4	1	15.17	143.83	0	0	0	0	87	2129	65	2281	0	570	570
2060	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	47	0	0	48	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**175**			**175**		**131100**	**387667**	**2.96**	**387667**		**164899**	**9832**								**1634242**	**1598608**	**704251**	**3937101**	**2570363**	**1038090**	**3608454**

Table 3.8
PRODUCTION AND DEVELOPMENT FORECAST
Legend
Probable Reserves

Project Specifications

Bitumen production:	10,000	bopd
Steam injection:	38,600	bbls/day (cwe)
	643	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.86	
	50	
Well Pair Count:	100	100
	51	
Infill Count:	100	100
Total:	200	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Type Curve

Operating Costs (In 2011 $CDN)

Battery:	3,500	$M / yr	5% of plant capital
	350	$M / yr per mstb/day installed capacity	
Steamer:	13,510	$M / yr	5% of plant capital
	21.0	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	7,000	$M / mbbl oil per day	70,000	$M Total
Steam gen, filtration, water handling:	7,000	$M / mbbl steam per day	270,200	$M Total
Other infrastructure capital ():			30,000	$M Total
Cogeneration, substation			34,230	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	97,602	$M Total
		Facil. Cap. Spent to Date:	0	$M Total
		Forecast Facility Capital:	502,032	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	81,400	$M Total		22
Drill, complete/pair inc. reduction:	3,350	$M / well pair	261,300	$M Total	2018	78
Drill, complete infill:	2,100	$M / well pair	210,000	$M Total		100
Well pad constr., facil., piping:	2,800	$M / well pair	280,000	$M Total		100
Downhole Pumps:	300	$M / well pair	60,000	$M Total		200
Additional Core holes: 13	400	$M / core-hole	5,200	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	135,000	$M Total		
		Total Remaining Capital:	1,534,932	$M Total Forecast		

	SAGD Well Pairs			Infills																Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	2856	0	2856
2013	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	2497	35394	37891
2014	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	0	194408	194408
2015	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	112573	147297	259870
2016	50	16	16	51	0	0	3840	20352	5.30	20352	5.30	8429	288	351	5.85	55.45	1	106171	3705	2070	25909	30437	7799	64145	43059	43967	87026
2017	50	6	22	51	0	0	7840	27984	3.57	27984	3.57	11782	588	491	6.31	59.81	1	79891	3705	4559	35668	34684	11780	82133	0	26822	26822
2018	50	0	22	51	0	0	8800	27984	3.18	27984	3.18	11854	660	494	6.74	63.88	1	73584	3705	5466	38276	24793	12338	75406	5514	7698	13212
2019	50	0	22	51	0	0	8800	27984	3.18	27984	3.18	11854	660	494	6.87	65.12	2	204984	7410	5572	48304	21312	12585	82202	41477	7852	49329
2020	50	0	22	51	16	16	10159	26724	2.63	26724	2.63	11451	762	477	7.01	66.44	2	196057	7410	6563	48260	22694	12871	83825	73857	9444	83300
2021	50	8	30	51	6	22	10137	30120	2.97	30120	2.97	12808	760	534	7.15	67.77	2	196202	7410	6680	52766	25737	14329	92833	52478	11644	64122
2022	50	7	37	51	0	22	10142	32081	3.16	32081	3.16	13593	761	566	7.29	69.13	2	196165	7410	6817	55910	27919	15330	99159	67142	13182	80324
2023	50	8	29	51	0	22	9689	32876	3.39	32876	3.39	13877	727	578	7.44	70.51	2	199141	7410	6643	57800	26840	15783	100403	5327	11924	17251
2024	50	0	23	51	0	6	9403	29459	3.13	29459	3.13	12489	705	520	7.59	71.92	2	201020	7410	6576	55112	24100	14680	93891	32405	9446	41851
2025	50	1	24	51	8	8	10119	29898	2.95	29898	2.95	12718	759	530	7.74	73.36	2	196316	7410	7218	56861	24578	15418	96857	38793	10031	48823
2026	50	2	26	51	7	15	10128	28737	2.84	28737	2.84	12254	760	511	7.89	74.82	2	196259	7410	7369	56662	26484	15274	98420	55719	11342	67061
2027	50	4	30	51	8	23	9997	28146	2.82	28146	2.82	12008	750	500	8.05	76.32	2	197118	7410	7419	57072	29220	15290	101582	105018	13216	118234
2028	50	12	34	51	0	23	10036	34422	3.43	34422	3.43	14521	753	605	8.21	77.85	2	196862	7410	7597	65748	30850	18178	114775	23944	14320	38264
2029	50	2	29	51	1	16	10038	30974	3.09	30974	3.09	13142	753	548	8.38	79.40	2	196849	7410	7751	62845	29135	17104	109084	46275	12786	59061
2030	50	4	25	51	2	11	9733	31441	3.23	31441	3.23	13306	730	554	8.55	80.99	2	198856	7410	7665	64613	28140	17515	110268	17482	11621	29103
2031	50	0	25	51	4	7	10008	29780	2.98	29780	2.98	12663	751	528	8.72	82.61	2	197050	7410	8039	63858	27911	17264	109033	38783	11408	50191
2032	50	0	24	51	12	19	9989	26207	2.62	26207	2.62	11232	749	468	8.89	84.26	2	197174	7410	8184	60493	29940	16019	106452	111629	12773	124401
2033	50	11	33	51	2	20	10076	33175	3.29	33175	3.29	14026	756	584	9.07	85.95	2	196601	7410	8421	70949	33286	19524	123759	33857	15231	49088
2034	50	2	31	51	4	22	10073	29197	2.90	29197	2.90	12434	755	518	9.25	87.67	2	196622	7410	8587	66996	33651	18082	118730	92958	15299	108257
2035	50	9	28	51	0	18	9503	32613	3.43	32613	3.43	13758	713	573	9.43	89.42	2	200368	7410	8263	72894	33276	19780	125950	6273	14399	20672
2036	50	0	26	51	0	6	9686	30103	3.11	30103	3.11	12768	726	532	9.62	91.21	2	199164	7410	8590	70874	31259	19061	121194	50941	12718	63659
2037	50	1	23	51	11	15	10110	28525	2.82	28525	2.82	12168	758	507	9.82	93.03	2	196379	7410	9146	70144	31983	18878	121005	73296	13349	86645
2038	50	6	29	51	2	13	10058	31528	3.13	31528	3.13	13366	754	557	10.01	94.90	2	196716	7410	9281	75922	34308	20727	130958	32260	14896	47156
2039	50	0	29	51	9	22	10077	26883	2.67	26883	2.67	11509	756	480	10.21	96.79	2	196592	7410	9485	70520	36481	18790	125791	16975	16369	33344
2040	50	1	19	51	0	22	6807	18766	2.76	18766	2.76	8017	511	334	10.42	98.73	2	218077	7410	6535	58654	36940	13261	108855	7991	14033	22024
2041	50	0	17	51	1	12	5193	14781	2.85	14781	2.85	6302	389	263	10.62	100.70	2	228680	7410	5085	53176	36825	10565	100565	27714	12411	40125
2042	50	0	8	51	6	16	3946	9536	2.42	9536	2.42	4110	296	171	10.84	102.72	2	236873	7410	3942	45569	36324	7273	89167	554	10720	11274
2043	50	0	8	51	0	7	2595	6579	2.54	6579	2.54	2826	195	118	11.05	104.77	1	114353	3705	2643	26352	35186	5048	66587	4523	9662	14185
2044	50	0	7	51	1	8	1746	4304	2.47	4304	2.47	1853	131	77	11.28	106.87	0	0	0	0	7625	15596	3396	26617	3460	5479	8939
2045	50	0	1	51	0	7	535	1002	1.87	1002	1.87	441	40	18	11.50	109.01	0	0	0	0	1852	7626	880	10358	0	2510	2510
2046	50	0	1	51	0	1	205	513	2.51	513	2.51	220	15	9	11.73	111.19	0	0	0	0	944	4709	419	6072	600	1277	1877
2047	50	0	0	51	0	1	34	34	1.00	34	1.00	16	3	1	11.97	113.41	0	0	0	0	70	1492	40	1602	0	412	412
2048	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	12.20	115.68	0	0	0	0	0	0	0	0	0	0	0
2049	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	12.45	117.99	0	0	0	0	0	0	0	0	0	0	0
2050	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	12.70	120.35	0	0	0	0	0	0	0	0	0	0	0
2051	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	12.95	122.76	0	0	0	0	0	0	0	0	0	0	0
2052	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	13.21	125.21	0	0	0	0	0	0	0	0	0	0	0
2053	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	13.47	127.72	0	0	0	0	0	0	0	0	0	0	0
2054	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	13.74	130.27	0	0	0	0	0	0	0	0	0	0	0
2055	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.02	132.88	0	0	0	0	0	0	0	0	0	0	0
2056	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**100**			**100**		**91068**	**278389**	**3.06**	**278389**		**118186**	**6830**								**1598698**	**873718**	**425262**	**2897678**	**1228228**	**775338**	**2003567**

Table 3.9
PRODUCTION AND DEVELOPMENT FORECAST
Legend
Probable Plus Possible Reserves

Project Specifications

Bitumen production:	10,000	bopd
Steam injection:	38,600	bbls/day (cwe)
	643	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.86	Type Curve
	53	
Well Pair Count:	108	108
	54	
Infill Count:	108	108
Total:	216	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Operating Costs (In 2011 $CDN)

Battery:	3,500	$M / yr	5% of plant capital
	350	$M / yr per mstb/day installed capacity	
Steamer:	13,510	$M / yr	5% of plant capital
	21.0	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital					
Oil treating facility (battery):	7,000	$M / mbbl oil per day	70,000	$M Total	
Steam gen, filtration, water handling:	7,000	$M / mbbl steam per day	270,200	$M Total	
Other infrastructure capital ():			30,000	$M Total	
Cogeneration, substation			34,230	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	126,303	$M Total	
		Facil. Cap. Spent to Date:	0	$M Total	
		Forecast Facility Capital:	530,733	$M Total	

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	66,600	$M Total		18
Drill, complete/pair inc. reduction:	3,350	$M / well pair	301,500	$M Total	2018	90
Drill, complete infill:	2,100	$M / well pair	226,800	$M Total		108
Well pad constr., facil., piping:	2,800	$M / well pair	302,400	$M Total		108
Downhole Pumps:	300	$M / well pair	64,800	$M Total		216
Additional Core holes: 13	400	$M / core-hole	5,200	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	178,200	$M Total		
		Total Remaining Capital:	1,676,233	$M Total Forecast		

	SAGD Well Pairs			Infills																Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	2856	0	2856
2013	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	2497	35394	37891
2014	50	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	0	194408	194408
2015	53	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	112573	147297	259870
2016	53	16	16	51	0	0	4320	22536	5.22	22536	5.22	9338	324	389	5.85	55.45	1	103018	3705	2329	27851	30178	8658	66687	14353	43957	58320
2017	53	2	18	51	0	0	7740	25353	3.28	25353	3.28	10722	581	447	6.31	59.81	1	80548	3705	4501	33227	33878	10882	77987	0	26146	26146
2018	53	0	18	51	0	0	8100	25353	3.13	25353	3.13	10749	608	448	6.74	63.88	1	78183	3705	5032	35558	24345	11221	71123	5514	7009	12523
2019	53	0	18	54	0	0	8100	25353	3.13	25353	3.13	10749	608	448	6.87	65.12	2	209583	7410	5129	45534	20856	11445	77835	47276	7149	54426
2020	53	1	19	54	16	16	10100	24600	2.44	24600	2.44	10598	757	442	7.01	66.44	2	196446	7410	6525	46075	22044	12109	80229	56468	8906	65374
2021	53	7	26	54	2	18	10024	28331	2.83	28331	2.83	12084	752	504	7.15	67.77	2	196943	7410	6606	50876	24407	13652	88936	29987	10547	40534
2022	53	4	30	54	0	18	9977	28884	2.89	28884	2.89	12302	748	513	7.29	69.13	2	197250	7410	6706	52473	25882	14109	92464	36928	11504	48432
2023	53	4	34	54	0	18	10098	30934	3.06	30934	3.06	13131	757	547	7.44	70.51	2	196459	7410	6923	55773	27291	15195	98259	29457	12495	41981
2024	53	3	37	54	1	3	10003	32220	3.22	32220	3.22	13638	750	568	7.59	71.92	2	197081	7410	6995	58295	26785	15949	101029	36480	11871	48351
2025	53	2	23	54	7	8	9995	28720	2.87	28720	2.87	12237	750	510	7.74	73.36	2	197133	7410	7129	55503	24413	14916	94833	28897	9833	38729
2026	53	2	23	54	4	12	9976	27573	2.76	27573	2.76	11777	748	491	7.89	74.82	2	197261	7410	7258	55288	25433	14756	95477	37752	10433	48185
2027	53	3	26	54	4	16	9984	27701	2.77	27701	2.77	11829	749	493	8.05	76.32	2	197206	7410	7409	56546	27253	15106	98905	46126	11671	57797
2028	53	4	30	54	3	18	10097	28896	2.86	28896	2.86	12316	757	513	8.21	77.85	2	196462	7410	7643	59135	29056	15943	104135	42847	12955	55802
2029	53	4	33	54	2	13	10019	29960	2.99	29960	2.99	12735	751	531	8.38	79.40	2	196978	7410	7735	61601	29835	16673	108109	44133	13321	57454
2030	53	4	30	54	2	11	9947	30353	3.05	30353	3.05	12887	746	537	8.55	80.99	2	197451	7410	7833	63306	29370	17143	109819	30156	12714	42870
2031	53	2	28	54	3	10	9944	29137	2.93	29137	2.93	12400	746	517	8.72	82.61	2	197469	7410	7988	63024	29246	16957	109227	42572	12411	54983
2032	53	3	27	54	4	11	9997	29169	2.92	29169	2.92	12418	750	517	8.89	84.26	2	197118	7410	8191	64340	29642	17334	111316	43424	12545	55969
2033	53	3	27	54	4	13	10144	29010	2.86	29010	2.86	12365	761	515	9.07	85.95	2	196156	7410	8478	65452	30409	17675	113536	43829	13028	56856
2034	53	3	28	54	4	15	10165	28682	2.82	28682	2.82	12235	762	510	9.25	87.67	2	196019	7410	8665	66324	31605	17887	115816	48726	13762	62488
2035	53	4	30	54	2	14	10053	29692	2.95	29692	2.95	12631	754	526	9.43	89.42	2	196749	7410	8742	69012	32797	18667	120476	43187	14399	57585
2036	53	3	30	54	3	13	10064	29444	2.93	29444	2.93	12533	755	522	9.62	91.21	2	196677	7410	8926	70048	33286	18927	122261	54140	14564	68704
2037	53	4	30	54	3	12	10185	30489	2.99	30489	2.99	12960	764	540	9.82	93.03	2	195882	7410	9214	72979	33681	19875	126535	34138	14729	48867
2038	53	2	28	54	3	11	9993	28825	2.88	28825	2.88	12280	749	512	10.01	94.90	2	197147	7410	9221	71953	33713	19347	125014	59400	14384	73784
2039	53	4	28	54	4	13	10194	29956	2.94	29956	2.94	12747	765	531	10.21	96.79	2	195823	7410	9595	75135	34532	20412	130079	36039	14933	50972
2040	53	2	28	54	3	13	10051	28476	2.83	28476	2.83	12144	754	506	10.42	98.73	2	196767	7410	9649	74345	35361	19978	129683	61267	15231	76498
2041	53	4	29	54	4	14	10118	29477	2.91	29477	2.91	12550	759	523	10.62	100.70	2	196325	7410	9908	77405	36524	20943	134872	45375	15944	61318
2042	53	3	29	54	2	13	9954	29056	2.92	29056	2.92	12369	747	515	10.84	102.72	2	197405	7410	9942	78238	37241	21046	136525	52379	16124	68503
2043	53	3	29	54	4	13	9981	28864	2.89	28864	2.89	12294	749	512	11.05	104.77	2	197222	7410	10169	79501	37958	21376	138835	58798	16446	75244
2044	53	4	29	54	2	12	9944	29829	3.00	29829	3.00	12677	746	528	11.28	106.87	2	197469	7410	10333	82668	38571	22324	143564	42674	16631	59305
2045	53	2	28	54	4	12	9970	28419	2.85	28419	2.85	12115	748	505	11.50	109.01	2	197295	7410	10568	81962	38938	21978	142878	64702	16670	81372
2046	53	4	28	54	3	13	9958	29400	2.95	29400	2.95	12507	747	521	11.73	111.19	2	197375	7410	10766	85278	39922	22984	148184	40798	17153	57951
2047	53	2	28	54	3	12	9823	28052	2.86	28052	2.86	11958	737	498	11.97	113.41	2	198265	7410	10832	84585	40674	22560	147819	20807	17343	38150
2048	50	0	24	54	4	14	8855	23359	2.64	23359	2.64	10008	664	417	12.20	115.68	2	204620	7410	9961	77591	41377	19572	138540	13108	16754	29862
2049	50	0	22	54	2	12	7246	19045	2.63	19045	2.63	8162	543	340	12.45	117.99	2	215191	7410	8314	70753	42828	16293	129875	21011	16134	37144
2050	50	0	18	54	4	13	5928	14485	2.44	14485	2.44	6239	445	260	12.70	120.35	2	223856	7410	6937	63256	43774	12903	119933	11690	15320	27010
2051	50	0	15	54	2	12	4364	10110	2.32	10110	2.32	4371	327	182	12.95	122.76	1	102729	3705	5209	38180	43142	9332	90654	1325	14467	15792
2052	50	0	12	51	0	8	2698	6423	2.38	6423	2.38	2771	202	115	13.21	125.21	0	0	0	0	13364	23515	5998	42877	2703	8725	11427
2053	50	0	8	51	0	6	1512	3640	2.41	3640	2.41	1570	113	65	13.47	127.72	0	0	0	0	7720	17575	3456	28751	1378	6335	7713
2054	50	0	6	51	0	2	758	2067	2.73	2067	2.73	883	57	37	13.74	130.27	0	0	0	0	4432	12758	1933	19122	0	4382	4382
2055	50	0	2	51	0	0	188	588	3.13	588	3.13	249	14	10	14.02	132.88	0	0	0	0	1275	6054	541	7871	0	1744	1744
2056	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	50	0	0	51	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**108**			**108**		**124306**	**362249**	**2.91**	**362249**		**154222**	**9323**								**2295861**	**1226150**	**618057**	**4140068**	**1447796**	**927777**	**2375574**

Table 3.10
PRODUCTION AND DEVELOPMENT FORECAST
Legend
Low Estimate Contingent Resources

Project Specifications

Bitumen production:	30,000	bopd
Steam injection:	105,300	bbls/day (cwe)
	1,755	mmbtu/hr
Steam Efficiency:	0.40	mcf/stb
Facility SOR:	3.51	
Type Curve	25	28
Well Pair Count:	382	329 53
Infill Count:	0	
Total:	382	
NCG Injection	75	scf/bbl bit average
Compressor Fuel:	0	mcfd/mmcfd flue inj.
Peak Flue Gas Inj.:	0	mcfd
Compressor Size:	0	bhp

Operating Costs (In 2011 $CDN)

Battery:	9,410	$M / yr	5% of plant capital
	314	$M / yr per mstb/day installed capacity	
Steamer:	33,219	$M / yr	5% of plant capital
	18.9	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital					
Oil treating facility (battery):	6,273	$M / mbbl oil per day	188,195	$M Total	
Steam gen, filtration, water handling:	6,309	$M / mbbl steam per day	664,380	$M Total	
Other infrastructure capital ():			30,000	$M Total	
Cogeneration, substation			34,230	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	227,387	$M Total	
		Facil. Cap. Spent to Date:	0	$M Total	
		Forecast Facility Capital:	1,144,192	$M Total	

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	107,300	$M Total		29
Drill, complete/pair inc. reduction:	3,350	$M / well pair	1,182,550	$M Total	2018	353
Drill, complete infill:	2,100	$M / well pair	0	$M Total		0
Well pad constr., facil., piping:	2,800	$M / well pair	1,069,600	$M Total		382
Downhole Pumps:	300	$M / well pair	114,600	$M Total		382
Additional Core holes: 71	400	$M / core-hole	28,400	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	450,450	$M Total		
		Total Remaining Capital:	4,097,092	$M Total Forecast		

	SAGD Well Pairs			Infills																Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	2856	0	2856
2013	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	2913	35394	38308
2014	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	2971	194408	197379
2015	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	115604	147297	262901
2016	25	16	16	28	0	0	3360	18872	5.62	18872	5.62	7801	252	325	5.85	55.45	1	109325	3705	1812	24568	30696	7167	62431	96386	100537	196923
2017	25	13	29	28	0	0	8330	34206	4.11	34206	4.11	14307	625	596	6.31	59.81	1	76672	3705	4844	41484	35913	13987	91384	3153	258811	261965
2018	25	0	29	28	0	0	10150	34206	3.37	34206	3.37	14443	761	602	6.74	63.88	1	64715	3705	6305	44647	25498	14878	85022	397273	244328	641601
2019	25	55	84	28	0	0	21700	99078	4.57	99078	4.57	41259	1628	1719	6.87	65.12	2	120231	7410	13740	122039	87125	41321	250485	36673	84785	121458
2020	25	4	88	28	0	0	29086	99909	3.43	99909	3.43	42145	2181	1756	7.01	66.44	2	71702	7410	18792	126794	69700	45015	241508	54795	25964	80759
2021	25	7	95	28	0	0	28536	99469	3.49	99469	3.49	41928	2140	1747	7.15	67.77	2	75318	7410	18805	128763	57480	45563	231806	90998	27764	118761
2022	25	9	104	28	0	0	29035	99116	3.41	99116	3.41	41824	2178	1743	7.29	69.13	2	72040	7410	19516	131062	60443	46527	238032	131984	29997	161982
2023	25	17	121	28	0	0	28405	99465	3.50	99465	3.50	41916	2130	1747	7.44	70.51	2	76179	7410	19475	133934	56223	47354	247511	150857	33831	184689
2024	25	19	124	28	0	0	27193	99094	3.64	99094	3.64	41677	2039	1737	7.59	71.92	2	84140	7410	19017	135950	69140	47703	252793	186473	35090	221563
2025	25	23	134	28	0	0	29301	99360	3.39	99360	3.39	41942	2198	1748	7.74	73.36	2	70289	7410	20901	139417	71553	49572	260541	79762	37771	117534
2026	25	9	143	28	0	0	30540	100024	3.28	100024	3.28	42300	2290	1763	7.89	74.82	2	62154	7410	22220	143237	74408	51311	268956	123551	40343	163894
2027	25	14	102	28	0	0	28143	99679	3.54	99679	3.54	41982	2111	1749	8.05	76.32	2	77900	7410	20886	145168	66869	51238	263275	119226	32708	151934
2028	25	13	111	28	0	0	28570	99926	3.50	99926	3.50	42113	2143	1755	8.21	77.85	2	75093	7410	21627	148464	70302	52538	271305	150176	35252	185428
2029	25	17	121	28	0	0	28395	99502	3.50	99502	3.50	41930	2130	1747	8.38	79.40	2	76243	7410	21924	150874	74586	53339	278799	155322	38100	193421
2030	25	17	129	28	0	0	28784	99508	3.46	99508	3.46	41962	2159	1748	8.55	80.99	2	73692	7410	22669	153990	78009	54574	286573	149032	40610	189641
2031	25	16	128	28	0	0	29141	99264	3.41	99264	3.41	41891	2186	1745	8.72	82.61	2	71342	7410	23409	156845	78997	55715	291557	126380	41199	167579
2032	25	13	122	28	0	0	28892	99148	3.43	99148	3.43	41826	2167	1743	8.89	84.26	2	72983	7410	23673	159770	79035	56667	295472	147550	40659	188209
2033	25	15	114	28	0	0	28425	99218	3.49	99218	3.49	41819	2132	1742	9.07	85.95	2	76046	7410	23757	162942	78631	57621	299195	150037	39617	189654
2034	25	15	120	28	0	0	28664	99626	3.48	99626	3.48	42000	2150	1750	9.25	87.67	2	74479	7410	24435	166813	81817	59072	307702	161317	41828	203145
2035	25	16	122	28	0	0	28618	99316	3.47	99316	3.47	41873	2146	1745	9.43	89.42	2	74779	7410	24884	169710	84110	60086	313907	165508	43148	208656
2036	25	16	125	28	0	0	28938	99928	3.45	99928	3.45	42141	2170	1756	9.62	91.21	2	72679	7410	25665	174049	86454	61734	322237	57831	44749	102580
2037	25	5	113	28	0	0	26898	88049	3.27	88049	3.27	37237	2017	1552	9.82	93.03	2	86083	7410	24333	159957	86173	56167	302297	255029	42632	297661
2038	28	24	120	28	0	0	28617	99300	3.73	99300	3.73	41716	1996	1738	10.01	94.90	2	87927	7410	24561	179526	90450	62758	332735	165653	45276	210930
2039	28	15	119	28	0	0	26887	99157	3.69	99157	3.69	41679	2017	1737	10.21	96.79	2	86154	7410	25306	182979	91671	64078	338727	152514	45921	198435
2040	28	14	120	28	0	0	25921	97702	3.77	97702	3.77	41025	1944	1709	10.42	98.73	2	92497	7410	24885	184150	94772	64104	343027	12786	47106	59892
2041	28	0	105	28	0	0	21405	75764	3.54	75764	3.54	31911	1605	1330	10.62	100.70	2	122170	7410	20960	152489	95873	51394	299756	8151	43972	52123
2042	28	0	90	28	0	0	15850	55591	3.51	55591	3.51	23425	1189	976	10.84	102.72	1	27263	3705	15831	107316	96436	38542	242295	7760	40695	48454
2043	25	0	74	28	0	0	10988	33146	3.02	33146	3.02	14082	824	587	11.05	104.77	0	0	0	0	56819	72658	24286	153763	0	30095	30095
2044	25	0	58	28	0	0	7429	19566	2.63	19566	2.63	8384	557	349	11.28	106.87	0	0	0	0	34502	58008	15152	107662	0	24044	24044
2045	25	0	29	28	0	0	3481	6875	1.98	6875	1.98	3011	261	125	11.50	109.01	0	0	0	0	12639	34040	5929	52609	0	13154	13154
2046	25	0	14	28	0	0	1458	2879	1.98	2879	1.98	1261	109	53	11.73	111.19	0	0	0	0	5399	20639	2533	28571	0	7252	7252
2047	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	11.97	113.41	0	0	0	0	0	0	0	0	0	0	0
2048	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	12.20	115.68	0	0	0	0	0	0	0	0	0	0	0
2049	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	12.45	117.99	0	0	0	0	0	0	0	0	0	0	0
2050	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	12.70	120.35	0	0	0	0	0	0	0	0	0	0	0
2051	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	12.95	122.76	0	0	0	0	0	0	0	0	0	0	0
2052	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	13.21	125.21	0	0	0	0	0	0	0	0	0	0	0
2053	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	13.47	127.72	0	0	0	0	0	0	0	0	0	0	0
2054	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	13.74	130.27	0	0	0	0	0	0	0	0	0	0	0
2055	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	14.02	132.88	0	0	0	0	0	0	0	0	0	0	0
2056	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	25	0	0	28	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**382**			**0**		**255186**	**896419**	**3.51**	**896419**		**377706**	**19139**								**3836299**	**2167708**	**1357926**	**7361933**	**3460523**	**2034336**	**5494860**

Table 3.11
PRODUCTION AND DEVELOPMENT FORECAST
Legend
Probable Reserves plus Best Estimate Contingent Resources

Project Specifications

Bitumen production:	50,000	bopd		
Steam injection:	160,000	bbls/day (cwe)		
	2,667	mmbtu/hr		
Steam Efficiency:	0.40	mcf/stb		
Facility SOR:	3.20		Type Curve	
		50	32	35
Well Pair Count:	647	100	344	203
		51	33	36
Infill Count:	647	100	344	203
Total:	1,294			
NCG Injection	75	scf/bbl bit average		
Compressor Fuel:	0	mcfd/mmcfd flue inj.		
Peak Flue Gas Inj.:	0	mcfd		
Compressor Size:	0	bhp		

Operating Costs (In 2011 $CDN)

Battery:	15,700	$M / yr	5% of plant capital
	314	$M / yr per mstb/day installed capacity	
Steamer:	50,537	$M / yr	5% of plant capital
	19.0	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital				
Oil treating facility (battery):	6,280	$M / mbbl oil per day	314,000	$M Total
Steam gen, filtration, water handling:	6,317	$M / mbbl steam per day	1,010,740	$M Total
Other infrastructure capital ():			30,000	$M Total
Cogeneration, substation			51,345	$M Total
Facility Maintenance Capital	1%	of facility capital per yr	451,103	$M Total
		Facil. Cap. Spent to Date:	0	$M Total
		Forecast Facility Capital:	1,857,188	$M Total

Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	92,500	$M Total		25
Drill, complete/pair inc. reduction:	3,350	$M / well pair	2,083,700	$M Total	2018	622
Drill, complete infill:	2,100	$M / well pair	1,358,700	$M Total		647
Well pad constr., facil., piping:	2,800	$M / well pair	1,811,600	$M Total		647
Downhole Pumps:	300	$M / well pair	388,200	$M Total		1294
Additional Core holes: 138	400	$M / core-hole	55,200	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	914,475	$M Total		
		Total Remaining Capital:	8,561,563	$M Total Forecast		

	SAGD Well Pairs			Infills								NCG+								Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	32	0	0	33	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	32	0	0	33	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	4080	0	4080
2013	32	0	0	33	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	4162	35394	39556
2014	32	0	0	33	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	4245	194408	198653
2015	32	0	0	33	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	116903	147297	264200
2016	50	16	16	33	0	0	3840	20352	5.30	20352	5.30	8429	288	351	5.85	55.45	1	106171	3705	2070	25909	30437	7799	64145	69005	98317	167322
2017	50	9	25	33	0	0	8560	31800	3.71	31800	3.71	13362	642	557	6.31	59.81	1	75161	3705	4978	39308	34914	13272	87494	4505	268353	272858
2018	50	0	25	33	0	0	10000	31800	3.18	31800	3.18	13470	750	561	6.74	63.88	1	65700	3705	6212	42252	24709	14020	80981	349200	234401	583601
2019	50	48	73	33	0	0	21520	92856	4.31	92856	4.31	38756	1614	1615	6.87	65.12	3	252814	11115	13626	125055	83411	39131	247597	47218	137938	185156
2020	50	0	73	51	16	16	30559	91596	3.00	91596	3.00	38930	2292	1622	7.01	66.44	3	193429	11115	19743	128048	66363	42628	237039	78816	259792	338609
2021	50	7	80	51	9	25	30551	93484	3.06	93484	3.06	39685	2291	1654	7.15	67.77	3	193478	11115	20133	132579	55385	44150	232114	172366	267091	439457
2022	50	20	100	51	0	25	33057	110798	3.35	110798	3.35	46798	2479	1950	7.29	69.13	3	177013	11115	22220	154167	120790	52229	327186	457437	98661	556098
2023	32	42	126	51	48	73	46539	151042	3.25	151042	3.25	63907	3490	2663	7.44	70.51	3	89439	11115	31908	203705	105530	73169	387404	159355	47714	207069
2024	32	19	136	51	0	57	48386	151816	3.14	151816	3.14	64355	3629	2681	7.59	71.92	3	76302	11115	33838	209020	96025	75623	380668	119465	49057	168521
2025	32	11	147	51	7	55	48251	151435	3.14	151435	3.14	64193	3619	2675	7.74	73.36	3	77191	11115	34418	212742	100576	76937	390254	265677	52017	317694
2026	32	21	120	51	20	75	47487	151241	3.18	151241	3.18	64058	3562	2669	7.89	74.82	3	82210	11115	34550	216608	98750	78099	393456	159485	49625	209111
2027	32	4	124	33	42	69	50867	144903	2.85	144903	2.85	61776	3815	2574	8.05	76.32	3	60002	11115	37750	214233	98480	78475	391189	323909	50824	374733
2028	32	31	148	33	19	88	48894	151601	3.10	151601	3.10	64308	3667	2679	8.21	77.85	3	72964	11115	37012	226107	110950	81977	419033	282079	58877	340955
2029	32	27	155	33	11	92	48523	151917	3.13	151917	3.13	64406	3639	2684	8.38	79.40	3	75404	11115	37465	230930	115923	83593	430446	232019	61982	294001
2030	32	17	172	33	21	51	48417	150957	3.12	150957	3.12	64014	3631	2667	8.55	80.99	3	76101	11115	38131	234327	117346	84812	436485	222237	62457	284694
2031	32	21	151	33	4	36	46467	151413	3.26	151413	3.26	64050	3485	2669	8.72	82.61	3	88910	11115	37327	239127	113128	85859	438115	214199	57354	271553
2032	32	11	143	33	31	56	49967	150935	3.02	150935	3.02	64122	3748	2672	8.89	84.26	3	65918	11115	40941	244141	113105	88914	446161	289644	58955	348599
2033	32	20	152	33	27	62	49525	150998	3.05	150998	3.05	64114	3714	2671	9.07	85.95	3	68822	11115	41391	248998	119299	90521	458818	285465	62917	348382
2034	32	23	154	33	17	75	49070	150745	3.07	150745	3.07	63978	3680	2666	9.25	87.67	3	71809	11115	41831	253521	124646	92006	470173	293067	66186	359253
2035	32	21	171	33	21	65	48926	151446	3.10	151446	3.10	64248	3669	2677	9.43	89.42	3	72755	11115	42542	259519	130970	94107	484597	277455	70405	347861
2036	32	22	162	33	11	49	47333	151105	3.19	151105	3.19	63992	3550	2666	9.62	91.21	3	83222	11115	41980	263811	129647	95063	488522	260118	67630	327748
2037	32	17	152	33	20	52	48653	151701	3.12	151701	3.12	64329	3649	2680	9.82	93.03	3	74553	11115	44013	270296	128316	97900	496512	276867	66849	343716
2038	32	17	152	33	23	54	48894	151014	3.08	151014	3.08	64080	3675	2670	10.01	94.90	3	72312	11115	45209	274792	130895	99686	505373	302119	68442	370561
2039	32	20	151	33	21	64	49137	151194	3.08	151194	3.08	64163	3685	2673	10.21	96.79	3	71368	11115	46248	280596	134715	101844	517155	313907	70855	384762
2040	35	20	160	33	22	66	48595	151029	3.11	151029	3.11	64056	3645	2669	10.42	98.73	3	74929	11115	46653	285802	141339	103514	530656	324980	74936	399916
2041	35	22	162	33	17	60	46763	151427	3.24	151427	3.24	64078	3507	2670	10.62	100.70	3	86968	11115	45791	291603	145612	104826	542042	332023	76163	408186
2042	35	22	161	33	17	56	45265	150955	3.33	150955	3.33	63777	3395	2657	10.84	102.72	3	96810	11115	45211	296243	148957	105860	551060	396308	76855	473163
2043	35	26	166	33	20	54	43973	151480	3.44	151480	3.44	63890	3298	2662	11.05	104.77	3	105300	11115	44799	302626	154699	107555	564880	425718	79523	505240
2044	35	28	172	36	20	57	42965	151916	3.54	151916	3.54	63989	3222	2666	11.28	106.87	3	111919	11115	44648	309085	161608	109385	580079	371375	83276	454651
2045	35	22	177	36	22	62	43035	151077	3.51	151077	3.51	63658	3228	2652	11.50	109.01	3	111460	11115	45615	313879	167590	111132	592601	382920	87147	470067
2046	35	22	182	36	22	64	42285	150848	3.57	150848	3.57	63511	3171	2646	11.73	111.19	3	116387	11115	45716	319524	174056	112784	606364	408577	90690	499267
2047	35	22	184	36	26	70	42943	151990	3.54	151990	3.54	64017	3221	2667	11.97	113.41	3	112061	11115	47356	328124	178770	116111	623006	385233	94034	479266
2048	35	19	183	36	28	76	42606	147431	3.46	147431	3.46	62168	3195	2590	12.20	115.68	3	114281	11115	47923	326450	183524	115458	625432	123593	96538	220131
2049	35	0	161	36	22	76	36698	117119	3.19	117119	3.19	49600	2752	2067	12.45	117.99	2	21692	7410	42104	259040	183191	95322	537553	128611	91466	220077
2050	35	0	139	36	22	72	28370	87677	3.09	87677	3.09	37198	2128	1550	12.70	120.35	2	76406	7410	33201	206744	186626	73354	466724	130534	85502	216036
2051	35	0	113	36	22	66	21227	61996	2.92	61996	2.92	26391	1592	1100	12.95	122.76	2	123340	7410	25338	159787	186591	53658	400036	102674	77607	180281
2052	35	0	85	36	19	63	15512	42038	2.71	42038	2.71	17979	1163	749	13.21	125.21	0	0	0	0	86692	128472	37848	253011	14865	54976	69841
2053	35	0	63	36	0	41	8917	25616	2.87	25616	2.87	10915	669	455	13.47	127.72	0	0	0	0	53685	98534	23165	175383	15162	41114	56276
2054	35	0	41	36	0	19	4259	13564	3.18	13564	3.18	5745	319	239	13.74	130.27	0	0	0	0	28822	67936	12195	108953	13356	26793	40149
2055	35	0	19	36	0	0	1391	5132	3.69	5132	3.69	2157	104	90	14.02	132.88	0	0	0	0	11039	36620	4552	52211	0	12392	12392
2056	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	14.30	135.53	0	0	0	0	0	0	0	0	0	0	0
2057	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	14.59	138.24	0	0	0	0	0	0	0	0	0	0	0
2058	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	35	0	0	36	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**647**			**647**		**539590**	**1733547**	**3.21**	**1733547**		**733888**	**40469**								**8308936**	**4733435**	**2978536**	**16020907**	**9140929**	**3912810**	**13053739**

Table 3.12
PRODUCTION AND DEVELOPMENT FORECAST
Legend
Probable plus Possible Reserves plus High Estimate Contingent Resources

Project Specifications

Bitumen production:	70,000	bopd		
Steam injection:	210,000	bbls/day (cwe)		
	3,500	mmbtu/hr		
Steam Efficiency:	0.40	mcf/stb		
Facility SOR:	3.00		Type Curve	
		53	38	41
Well Pair Count:	778	108	344	326
		54	39	42
Infill Count:	778	108	344	326
Total:	1,556			
NCG Injection	75	scf/bbl bit average		
Compressor Fuel:	0	mcfd/mmcfd flue inj.		
Peak Flue Gas Inj.:	0	mcfd		
Compressor Size:	0	bhp		

Operating Costs (In 2011 $CDN)

Battery:	19,953	$M / yr	5% of plant capital
	285	$M / yr per mstb/day installed capacity	
Steamer:	60,512	$M / yr	5% of plant capital
	17.3	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Flue Comp:	0.00	$ / mcf	
Cogen	856	$M/year/unit	5% of plant capital
Fuel:	Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $CDN; Facilities, future wells, sustaining)

Total Facility Capital

Oil treating facility (battery):	5,701	$M / mbbl oil per day	399,066	$M Total	
Steam gen, filtration, water handling:	5,763	$M / mbbl steam per day	1,210,231	$M Total	
Other infrastructure capital ():			30,000	$M Total	
Cogeneration, substation			68,460	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	576,368	$M Total	
		Facil. Cap. Spent to Date:	0	$M Total	
		Forecast Facility Capital:	2,284,125	$M Total	

Forecast Well Capital

					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	85,100	$M Total		23
Drill, complete/pair inc. reduction:	3,350	$M / well pair	2,529,250	$M Total	2018	755
Drill, complete infill:	2,100	$M / well pair	1,633,800	$M Total		778
Well pad constr., facil., piping:	2,800	$M / well pair	2,178,400	$M Total		778
Downhole Pumps:	300	$M / well pair	466,800	$M Total		1556
Additional Core holes: 175	400	$M / core-hole	70,000	$M Total		
FC Sustaining Capital:	150	$M/well pair per prod'g yr	1,183,200	$M Total		
		Total Remaining Capital:	10,430,675	$M Total Forecast		

	SAGD Well Pairs			Infills																	Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	NCG+ Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	38	0	0	39	0	0	0	0	0.00	0	0.00	0	0	0	3.80	36.02	0	0	0	0	0	0	0	0	0	0	0
2012	38	0	0	39	0	0	0	0	0.00	0	0.00	0	0	0	4.26	40.38	0	0	0	0	0	0	0	0	4896	0	4896
2013	38	0	0	39	0	0	0	0	0.00	0	0.00	0	0	0	4.49	42.56	0	0	0	0	0	0	0	0	4994	35394	40388
2014	38	0	0	39	0	0	0	0	0.00	0	0.00	0	0	0	4.94	46.82	0	0	0	0	0	0	0	0	5094	194408	199502
2015	38	0	0	39	0	0	0	0	0.00	0	0.00	0	0	0	5.40	51.18	0	0	0	0	0	0	0	0	117769	147297	265066
2016	53	16	16	39	0	0	4320	22536	5.22	22536	5.22	9338	324	389	5.85	55.45	1	103018	3705	2329	27851	30178	8658	66687	48359	114026	162385
2017	53	6	22	39	0	0	8820	30987	3.51	30987	3.51	13056	662	544	6.31	59.81	1	73453	3705	5129	38604	34114	13090	85808	12726	312664	325389
2018	53	1	23	39	0	0	10170	32396	3.19	32396	3.19	13721	763	572	6.74	63.88	1	64583	3705	6317	42870	24162	14277	81309	434892	299429	734322
2019	53	60	83	39	0	0	26550	116906	4.40	116906	4.40	48753	1991	2031	6.87	65.12	2	88367	7410	16810	140833	98144	49080	288056	61512	174703	236215
2020	53	2	85	54	16	16	39620	117561	2.97	117561	2.97	49996	2971	2083	7.01	66.44	2	2500	7410	25597	146882	74992	54851	276725	57902	352112	410015
2021	53	5	90	54	6	22	39616	117934	2.98	117934	2.98	50145	2971	2089	7.15	67.77	2	2521	7410	26107	150208	59029	56080	265317	165296	360617	525913
2022	53	18	108	54	1	23	42507	136607	3.21	136607	3.21	57831	3188	2410	7.29	69.13	3	114927	11115	28572	183535	142645	65030	391210	574625	121195	695821
2023	38	53	161	54	60	83	64988	198990	3.06	198990	3.06	84470	4874	3520	7.44	70.51	4	98630	14820	44556	269599	131262	97758	498619	155994	58933	214926
2024	38	18	179	54	2	69	69329	198562	2.86	198562	2.86	84625	5200	3526	7.59	71.92	4	70106	14820	48484	275418	113062	101191	489671	162412	62246	224658
2025	38	17	180	54	5	68	67822	199271	2.94	199271	2.94	84795	5087	3533	7.74	73.36	4	80010	14820	48378	281408	116525	102908	500840	173973	63590	237563
2026	38	9	183	54	18	85	68584	193973	2.83	193973	2.83	82733	5144	3447	7.89	74.82	4	75002	14820	49900	281094	121273	103183	505550	169916	67183	237099
2027	38	1	183	39	53	78	71234	182719	2.57	182719	2.57	78430	5343	3268	8.05	76.32	4	57591	14820	52865	274070	120809	101798	496677	423985	67806	491791
2028	38	43	166	39	18	94	68829	198392	2.88	198392	2.88	84519	5162	3522	8.21	77.85	4	73395	14820	52101	297805	122626	109259	529690	302452	67272	369724
2029	38	28	192	39	17	106	70678	198771	2.81	198771	2.81	84809	5301	3534	8.38	79.40	4	61246	14820	54571	304648	132426	112373	549447	260941	75473	336413
2030	38	24	211	39	9	97	68872	198242	2.88	198242	2.88	84462	5165	3519	8.55	80.99	4	73109	14820	54241	309659	140552	113628	563839	271622	80151	351773
2031	38	27	167	39	1	45	64686	199151	3.08	199151	3.08	84512	4851	3521	8.72	82.61	4	100615	14820	51962	316010	126756	114478	557244	154241	66151	220393
2032	38	0	149	39	43	70	71263	188511	2.65	188511	2.65	80749	5345	3365	8.89	84.26	4	57399	14820	58391	310120	122300	114969	547390	309196	66224	375420
2033	38	22	154	39	28	81	71385	195848	2.74	195848	2.74	83693	5354	3487	9.07	85.95	4	56602	14820	59660	326067	127762	120636	574465	338106	69983	408089
2034	38	26	171	39	24	96	71353	197001	2.76	197001	2.76	84152	5351	3506	9.25	87.67	4	56813	14820	60826	334137	137762	123565	595464	303711	77178	380889
2035	38	20	190	39	27	122	71180	190623	2.68	190623	2.68	81588	5339	3399	9.43	89.42	4	57946	14820	61893	331990	150550	122959	605499	390126	86442	476569
2036	38	37	184	39	0	79	65919	199285	3.02	199285	3.02	84658	4944	3527	9.62	91.21	4	92509	14820	58465	349414	149564	127048	626025	282020	81404	363424
2037	38	18	174	39	22	73	69436	198503	2.86	198503	2.86	84609	5208	3525	9.82	93.03	4	69405	14820	62815	356227	145197	130925	632349	125255	79768	205024
2038	38	1	151	39	26	75	67556	178853	2.65	178853	2.65	76608	5067	3192	10.01	94.90	4	81754	14820	62337	334113	142625	122813	599552	447546	75731	523277
2039	41	34	158	39	20	68	66269	199029	3.00	199029	3.00	84582	4970	3524	10.21	96.79	4	90210	14820	62372	370517	147859	134872	653249	338194	78160	416354
2040	41	17	175	39	37	105	70688	198328	2.81	198328	2.81	84633	5302	3526	10.42	98.73	4	61179	14820	67862	378121	158679	139497	676297	430998	89179	520177
2041	41	32	185	39	18	101	65307	199471	3.05	199471	3.05	84686	4898	3529	10.62	100.70	4	96531	14820	63950	385892	169903	140046	695841	445323	93137	538460
2042	41	37	196	39	1	76	58039	198738	3.42	198738	3.42	83848	4353	3494	10.84	102.72	4	144286	14820	57969	390293	180029	138530	708853	491366	94584	585950
2043	41	29	205	42	34	90	59563	198373	3.33	198373	3.33	83816	4467	3492	11.05	104.77	4	134273	14820	60681	397971	187867	141938	727776	431654	100998	532652
2044	41	29	197	42	17	70	57965	198560	3.43	198560	3.43	83771	4347	3490	11.28	106.87	4	144772	14820	60234	405746	186641	143985	736373	446630	97828	544459
2045	41	25	204	42	32	84	60333	198970	3.30	198970	3.30	84113	4525	3505	11.50	109.01	4	129211	14820	63950	415295	193134	148456	756884	466739	103902	570641
2046	41	23	226	42	37	120	63499	199036	3.13	199036	3.13	84377	4762	3516	11.73	111.19	4	108414	14820	68651	424730	208934	153312	786976	518371	117979	636351
2047	41	30	222	42	29	115	62097	198993	3.20	198993	3.20	84254	4657	3511	11.97	113.41	4	117625	14820	68478	432690	212113	155517	800319	485289	118350	603639
2048	41	26	231	42	29	127	63144	199450	3.16	199450	3.16	84516	4736	3521	12.20	115.68	4	110746	14820	71025	442508	221169	159541	823219	504982	125399	630381
2049	41	28	227	42	25	120	61627	198412	3.22	198412	3.22	83987	4622	3499	12.45	117.99	4	120711	14820	70705	448954	224277	161149	834380	348906	125519	474425
2050	41	16	206	42	23	106	56999	179012	3.14	179012	3.14	75880	4275	3162	12.70	120.35	4	151116	14820	66704	420361	222541	149184	792086	172097	118938	291035
2051	41	0	177	42	30	107	49138	139970	2.85	139970	2.85	59673	3685	2486	12.95	122.76	3	71364	11115	58654	334639	222403	121927	678969	155667	111877	267544
2052	41	0	148	42	26	104	38652	102663	2.66	102663	2.66	43964	2899	1832	13.21	125.21	3	140257	11115	47060	265584	226429	92934	584947	158780	103811	262591
2053	41	0	123	42	28	107	30697	73092	2.38	73092	2.38	31539	2302	1314	13.47	127.72	2	61122	7410	38122	191563	228506	69621	489690	97663	97789	195652
2054	41	0	100	42	16	100	23042	50441	2.19	50441	2.19	21905	1728	913	13.74	130.27	0	0	0	0	109889	164073	50278	324240	18277	72040	90316
2055	41	0	70	42	0	70	13836	30370	2.19	30370	2.19	13186	1038	549	14.02	132.88	0	0	0	0	67471	124597	30851	222919	20076	52926	73003
2056	41	0	44	42	0	44	7257	16239	2.24	16239	2.24	7040	544	293	14.30	135.53	0	0	0	0	36743	87716	16725	141184	11702	35499	47201
2057	41	0	16	42	0	16	2313	5247	2.27	5247	2.27	2272	173	95	14.59	138.24	0	0	0	0	12098	44336	5489	61924	0	15527	15527
2058	41	0	0	42	0	0	0	0	0.00	0	0.00	0	0	0	14.88	141.01	0	0	0	0	0	0	0	0	0	0	0
2059	41	0	0	42	0	0	0	0	0.00	0	0.00	0	0	0	15.17	143.83	0	0	0	0	0	0	0	0	0	0	0
2060	41	0	0	42	0	0	0	0	0.00	0	0.00	0	0	0	15.48	146.71	0	0	0	0	0	0	0	0	0	0	0
2061	41	0	0	42	0	0	0	0	0.00	0	0.00	0	0	0	15.79	149.64	0	0	0	0	0	0	0	0	0	0	0
2062	41	0	0	42	0	0	0	0	0.00	0	0.00	0	0	0	16.10	152.63	0	0	0	0	0	0	0	0	0	0	0
Totals		**778**			**778**		**797591**	**2363745**	**2.96**	**2363745**		**1005317**	**59819**								**11613629**	**5975522**	**4234410**	**21823561**	**11302476**	**5010822**	**16313298**

Table 4

Bitumen Netback Pricing - Diluent Blending - Clastics
GLJ - October 1, 2011 Pricing Assumptions

	Oil Sands Inflation %	Bank of Canada Average Noon Rate $US/$Cdn	West Texas Intermediate Crude Oil at Cushing Oklahoma Current $US/bbl	Light, Sweet Crude Oil (40 API, 0.3%S) at Edmonton Current $Cdn/bbl	LLB Crude Oil Stream Quality at Hardisty Current $Cdn/bbl	Dil-bit Quality Differential Current $Cdn/bbl	Dil-bit Stream Quality at Hardisty Current $Cdn/bbl	Edmonton Pentanes Plus $Cdn/bbl	Diluent Transp. & Postings+ $Cdn/bbl	Diluent at Field Current $Cdn/bbl	Transportation Current $Cdn/bbl	Bitumen Wellhead Current $Cdn/bbl
2011 Q4	2.0	0.980	85.00	91.84	71.17	-6.00	65.17	100.10	6.00	106.10	3.50	48.34
2012	2.0	0.980	90.00	94.39	74.09	-5.25	68.84	97.22	6.00	103.22	3.50	53.98
2013	2.0	0.980	95.00	96.94	78.04	-4.50	73.54	98.88	6.00	104.88	3.50	59.59
2014	2.0	0.980	100.00	101.02	81.32	-4.00	77.32	103.04	6.00	109.04	3.50	63.25
2015	2.0	0.980	100.00	101.02	81.32	-3.75	77.57	103.04	6.00	109.04	3.50	63.58
2016	2.0	0.980	100.00	101.02	81.32	-1.28	80.05	103.04	6.00	109.04	2.75	63.68
2017	2.0	0.980	101.36	102.41	82.44	-1.30	81.14	104.46	6.00	110.46	2.75	64.63
2018	2.0	0.980	103.38	104.47	84.10	-1.33	82.77	106.56	6.00	112.56	2.25	66.78
2019	2.0	0.980	105.45	106.58	85.80	-1.35	84.45	108.71	6.00	114.71	2.25	68.25
2020	2.0	0.980	107.56	108.73	87.53	-1.38	86.15	110.91	6.00	116.91	1.75	70.45
2021	2.0	0.980	109.71	110.90	89.28	-1.41	87.87	113.13	6.00	119.13	1.75	71.96
2022	2.0	0.980	111.91	113.12	91.07	-1.44	89.63	115.39	6.00	121.39	1.75	73.50
2023	2.0	0.980	114.14	115.39	92.89	-1.46	91.42	117.70	6.00	123.70	1.75	75.08
2024+	2.0	0.980	+2.0%/yr	+2.0%/yr	+2.0%/yr			+2.0%/yr		+2.0%/yr		+2.0%/yr

Notes: Blending Ratio - Trucking = 1bbl bitumen: 0.3bbl Diluent (2011-2015)
Blending Ratio - Pipeline = 1bbl bitumen: 0.429bbl Diluent (2016+)

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	8	2,040	2,040	745	699	59.59
2014	22	6,970	6,970	2,544	2,371	63.24
2015	22	9,350	9,350	3,413	3,181	63.58
2016	38	13,190	13,190	4,814	4,487	63.68
2017	52	17,796	17,796	6,495	6,043	64.63
2018	68	18,921	18,921	6,906	6,408	66.78
2019	77	18,003	18,003	6,571	6,080	68.25
2020	98	19,624	19,624	7,163	6,491	70.45
2021	100	19,491	19,491	7,114	6,108	71.96
2022	83	19,304	19,304	7,046	6,055	73.50
2023	85	19,776	19,776	7,218	6,199	75.08
2024	73	19,459	19,459	7,103	6,050	76.58
2025	84	20,083	20,083	7,330	5,953	78.11
2026	96	19,884	19,884	7,257	5,886	79.67
2027	95	19,420	19,420	7,088	6,028	81.26
2028	97	19,970	19,970	7,289	5,786	82.89
2029	84	19,939	19,939	7,278	5,842	84.55
2030	79	19,603	19,603	7,155	5,653	86.24
2031	81	19,783	19,783	7,221	5,804	87.96
2032	90	19,697	19,697	7,189	6,057	89.72
2033	99	19,975	19,975	7,291	5,804	91.52
2034	95	19,844	19,844	7,243	5,994	93.35
2035	87	19,240	19,240	7,023	5,554	95.21
2036	76	19,654	19,654	7,174	5,784	97.12
2037	84	20,091	20,091	7,333	5,948	99.06
2038	89	19,937	19,937	7,277	5,787	101.04
2039	97	19,977	19,977	7,291	5,680	103.06
2040	84	16,654	16,654	6,079	4,861	105.12
2041	72	15,086	15,086	5,506	4,507	107.23
2042	68	13,772	13,772	5,027	4,098	109.37
2043	61	12,360	12,360	4,511	3,703	111.56
2044	60	11,436	11,436	4,174	3,348	113.79
2045	53	10,400	10,400	3,796	2,991	116.06
2046	45	9,876	9,876	3,605	2,898	118.39
2047	43	9,756	9,756	3,561	2,856	120.75
2048	45	10,002	10,002	3,651	2,872	123.17
2049	44	9,826	9,826	3,586	2,854	125.63
2050	45	9,690	9,690	3,537	2,807	128.14
2051	45	9,865	9,865	3,601	2,847	130.71
2052	45	10,002	10,002	3,651	2,824	133.32
2053	43	9,750	9,750	3,559	2,815	135.99
2054	45	9,865	9,865	3,601	2,766	138.71
2055	43	9,492	9,492	3,465	2,573	141.48
2056	39	8,211	8,211	2,997	2,233	144.31
2057	36	6,545	6,545	2,389	1,843	147.20
2058	32	5,020	5,020	1,832	1,453	150.14
2059	26	3,306	3,306	1,207	899	153.14
2060	18	1,733	1,733	632	493	156.21
Tot.				**249,538**	**206,273**	**94.68**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	44	0	0	44	0	44	3	0	0	0	3	42	29	4	33
2014	161	0	0	161	0	161	11	0	0	0	11	150	61	12	72
2015	217	0	0	217	0	217	15	0	0	0	15	202	56	13	69
2016	307	0	0	307	0	307	21	0	0	0	21	286	112	21	133
2017	420	0	0	420	0	420	29	0	0	0	29	391	129	25	154
2018	461	0	0	461	0	461	33	0	0	0	33	428	124	25	148
2019	449	0	0	449	0	449	34	0	0	0	34	415	137	26	163
2020	505	0	0	505	0	505	47	0	0	0	47	457	139	27	166
2021	512	0	0	512	0	512	72	0	0	0	72	440	142	29	171
2022	518	0	0	518	0	518	73	0	0	0	73	445	145	30	174
2023	542	0	0	542	0	542	77	0	0	0	77	465	147	31	177
2024	544	0	0	544	0	544	81	0	0	0	81	463	146	30	176
2025	573	0	0	573	0	573	108	0	0	0	108	465	150	31	181
2026	578	0	0	578	0	578	109	0	0	0	109	469	154	31	185
2027	576	0	0	576	0	576	86	0	0	0	86	490	157	31	188
2028	604	0	0	604	0	604	125	0	0	0	125	480	168	35	203
2029	615	0	0	615	0	615	121	0	0	0	121	494	164	34	198
2030	617	0	0	617	0	617	130	0	0	0	130	488	166	35	201
2031	635	0	0	635	0	635	125	0	0	0	125	511	168	35	203
2032	645	0	0	645	0	645	102	0	0	0	102	543	169	34	203
2033	667	0	0	667	0	667	136	0	0	0	136	531	185	38	223
2034	676	0	0	676	0	676	117	0	0	0	117	560	181	37	218
2035	669	0	0	669	0	669	140	0	0	0	140	529	188	39	226
2036	697	0	0	697	0	697	135	0	0	0	135	562	187	39	225
2037	726	0	0	726	0	726	137	0	0	0	137	589	189	39	228
2038	735	0	0	735	0	735	151	0	0	0	151	585	199	41	240
2039	751	0	0	751	0	751	166	0	0	0	166	585	198	40	238
2040	639	0	0	639	0	639	128	0	0	0	128	511	186	34	220
2041	590	0	0	590	0	590	107	0	0	0	107	483	183	32	216
2042	550	0	0	550	0	550	102	0	0	0	102	448	176	29	205
2043	503	0	0	503	0	503	90	0	0	0	90	413	158	27	185
2044	475	0	0	475	0	475	94	0	0	0	94	381	122	26	148
2045	441	0	0	441	0	441	93	0	0	0	93	347	111	24	135
2046	427	0	0	427	0	427	84	0	0	0	84	343	107	24	131
2047	430	0	0	430	0	430	85	0	0	0	85	345	105	24	129
2048	450	0	0	450	0	450	96	0	0	0	96	354	108	25	133
2049	451	0	0	451	0	451	92	0	0	0	92	359	108	25	133
2050	453	0	0	453	0	453	94	0	0	0	94	360	100	25	125
2051	471	0	0	471	0	471	99	0	0	0	99	372	102	26	129
2052	487	0	0	487	0	487	110	0	0	0	110	376	105	27	132
2053	484	0	0	484	0	484	101	0	0	0	101	383	105	27	132
2054	499	0	0	499	0	499	116	0	0	0	116	384	109	28	137
2055	490	0	0	490	0	490	126	0	0	0	126	364	105	27	132
2056	432	0	0	432	0	432	110	0	0	0	110	322	95	22	118
2057	352	0	0	352	0	352	80	0	0	0	80	271	91	18	108
2058	275	0	0	275	0	275	57	0	0	0	57	218	90	13	103
2059	185	0	0	185	0	185	47	0	0	0	47	138	45	8	54
2060	99	0	0	99	0	99	22	0	0	0	22	77	29	4	33
Tot.	**23,626**	**0**	**0**	**23,626**	**0**	**23,626**	**4,314**	**0**	**0**	**0**	**4,314**	**19,312**	**6,329**	**1,305**	**7,634**
Disc	3,932	0	0	3,932	0	3,932	548	0	0	0	548	3,384	1,126	225	1,351

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	181	215	-215	-267	-255
2013	0	0	0	8	0	0	8	59	0	174	233	-225	-492	-449
2014	0	0	0	78	4	0	82	1	0	215	216	-134	-626	-554
2015	0	0	0	133	4	0	137	69	0	200	269	-132	-758	-647
2016	0	0	0	153	10	0	162	40	0	77	117	46	-712	-618
2017	0	0	0	237	9	0	245	29	0	53	82	164	-549	-522
2018	0	0	0	279	9	0	288	44	0	46	89	199	-350	-416
2019	0	0	0	252	18	0	270	49	0	52	101	169	-181	-334
2020	0	0	0	291	18	0	309	65	0	65	130	179	-3	-255
2021	0	0	0	269	18	0	287	46	0	53	98	189	186	-179
2022	0	0	0	271	18	0	289	60	0	61	121	168	354	-118
2023	0	0	0	288	19	3	304	35	0	44	80	225	579	-43
2024	0	0	0	287	19	5	302	46	0	50	96	205	784	19
2025	0	0	0	284	19	0	303	53	0	57	111	193	977	71
2026	0	0	0	284	20	5	298	57	0	62	120	178	1,155	116
2027	0	0	0	302	20	3	318	89	0	83	172	146	1,302	149
2028	0	0	0	276	20	3	294	39	0	51	90	204	1,506	191
2029	0	0	0	295	21	3	313	54	0	59	113	200	1,706	228
2030	0	0	0	286	21	5	303	41	0	51	92	211	1,917	264
2031	0	0	0	308	22	6	324	58	0	63	121	203	2,120	296
2032	0	0	0	340	22	4	359	97	0	90	188	171	2,291	320
2033	0	0	0	308	23	5	326	45	0	58	104	222	2,512	348
2034	0	0	0	342	23	3	362	83	0	83	167	195	2,707	371
2035	0	0	0	303	24	4	322	40	0	53	93	229	2,937	395
2036	0	0	0	336	24	5	356	65	0	69	134	222	3,159	416
2037	0	0	0	362	24	5	381	77	0	79	156	225	3,384	436
2038	0	0	0	345	25	7	362	54	0	65	119	243	3,627	455
2039	0	0	0	348	25	3	370	41	0	58	99	271	3,898	475
2040	0	0	0	291	28	5	314	42	0	56	99	216	4,114	489
2041	0	0	0	268	30	4	294	48	0	59	107	187	4,300	500
2042	0	0	0	243	31	6	269	39	0	52	91	178	4,478	510
2043	0	0	0	228	19	8	239	40	0	52	93	146	4,624	517
2044	0	0	0	233	7	4	236	43	0	50	92	144	4,768	523
2045	0	0	0	212	7	7	212	32	0	40	72	141	4,909	529
2046	0	0	0	212	8	15	205	42	0	46	88	117	5,026	533
2047	0	0	0	216	8	3	221	43	0	45	88	132	5,158	538
2048	0	0	0	221	8	3	225	36	0	41	77	149	5,307	542
2049	0	0	0	226	8	3	231	42	0	45	88	143	5,450	546
2050	0	0	0	235	8	3	240	46	0	48	94	146	5,596	550
2051	0	0	0	243	8	3	248	47	0	49	96	153	5,748	554
2052	0	0	0	244	8	3	250	36	0	43	79	171	5,919	557
2053	0	0	0	251	9	3	256	49	0	51	100	157	6,076	560
2054	0	0	0	247	9	3	253	32	0	41	73	179	6,255	563
2055	0	0	0	232	9	4	238	15	0	29	43	195	6,450	566
2056	0	0	0	204	10	3	212	13	0	26	39	173	6,623	569
2057	0	0	0	163	12	4	171	15	0	27	42	129	6,752	570
2058	0	0	0	115	14	4	125	8	0	21	30	96	6,848	572
2059	0	0	0	84	0	3	81	1	0	12	13	68	6,915	572
2060	0	0	0	44	0	25	18	2	0	9	11	7	6,922	572
Tot.	**0**	**0**	**0**	**11,678**	**721**	**184**	**12,214**	**2,144**	**0**	**3,147**	**5,292**	**6,922**	**6,922**	**572**
Disc	0	0	0	2,033	123	14	2,142	478	0	1,091	1,570	572	572	572

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	249,538	249,538	0	249,538	206,273	1.000	249,538	100	49.1	335.1	22.0
Total: Oil Eq.	Mboe	249,538	249,538	0	249,538	206,273	1.000	249,538	100	49.1	335.1	22.0

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,312	100	3,384	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,312	100	3,384	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	100.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	18.2596
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	11,678	12,214	5,292	6,922	27.74
5.0	4,188	4,406	2,464	1,942	7.78
8.0	2,639	2,780	1,830	949	3.80
10.0	2,033	2,142	1,570	572	2.29
12.0	1,613	1,699	1,381	318	1.28
15.0	1,191	1,254	1,181	73	0.29
20.0	783	823	969	-146	-0.58

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:37

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Reserve Class: **PPP**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	8	2,280	2,280	832	781	59.59
2014	20	7,220	7,220	2,635	2,456	63.25
2015	20	9,500	9,500	3,468	3,232	63.58
2016	36	13,820	13,820	5,044	4,702	63.68
2017	55	20,715	20,715	7,561	7,035	64.63
2018	68	23,204	23,204	8,470	7,859	66.78
2019	75	22,456	22,456	8,196	7,509	68.25
2020	96	24,548	24,548	8,960	7,599	70.45
2021	109	25,134	25,134	9,174	7,637	71.96
2022	107	24,291	24,291	8,866	7,491	73.50
2023	115	25,302	25,302	9,235	7,638	75.07
2024	99	24,868	24,868	9,077	7,210	76.58
2025	88	24,475	24,475	8,933	6,958	78.11
2026	100	24,898	24,898	9,088	7,129	79.67
2027	101	24,705	24,705	9,017	7,076	81.26
2028	110	24,933	24,933	9,100	7,172	82.89
2029	107	24,810	24,810	9,055	7,120	84.55
2030	101	24,756	24,756	9,036	7,042	86.24
2031	99	24,800	24,800	9,052	7,118	87.96
2032	99	24,886	24,886	9,083	7,113	89.72
2033	101	25,131	25,131	9,173	7,148	91.52
2034	104	24,905	24,905	9,090	7,155	93.35
2035	105	24,835	24,835	9,065	7,105	95.21
2036	105	25,028	25,028	9,135	7,166	97.12
2037	102	24,818	24,818	9,059	7,077	99.06
2038	100	24,746	24,746	9,032	7,123	101.04
2039	102	25,088	25,088	9,157	7,093	103.06
2040	101	24,684	24,684	9,009	7,124	105.12
2041	104	24,871	24,871	9,078	7,095	107.23
2042	103	24,848	24,848	9,069	7,087	109.37
2043	102	24,614	24,614	8,984	7,092	111.56
2044	102	24,697	24,697	9,014	7,038	113.79
2045	101	24,864	24,864	9,076	7,114	116.06
2046	101	24,591	24,591	8,976	7,016	118.39
2047	101	24,576	24,576	8,970	6,878	120.75
2048	99	23,750	23,750	8,669	6,608	123.17
2049	94	21,879	21,879	7,986	6,096	125.63
2050	89	19,825	19,825	7,236	5,473	128.14
2051	81	16,693	16,693	6,093	4,578	130.71
2052	69	12,866	12,866	4,696	3,512	133.32
2053	59	9,615	9,615	3,509	2,655	135.99
2054	46	6,571	6,571	2,398	1,870	138.71
2055	31	3,846	3,846	1,404	1,200	141.48
2056	21	2,161	2,161	789	615	144.31
2057	12	1,082	1,082	395	322	147.20
2058	6	474	474	173	149	150.14
2059	2	139	139	51	46	153.14
Tot.				**333,171**	**267,312**	**95.25**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	50	0	0	50	0	50	3	0	0	0	3	47	30	4	34
2014	167	0	0	167	0	167	11	0	0	0	11	155	60	12	71
2015	220	0	0	220	0	220	15	0	0	0	15	205	55	13	68
2016	321	0	0	321	0	321	22	0	0	0	22	299	113	22	135
2017	489	0	0	489	0	489	34	0	0	0	34	455	151	29	180
2018	566	0	0	566	0	566	41	0	0	0	41	525	142	30	171
2019	559	0	0	559	0	559	47	0	0	0	47	513	152	31	183
2020	631	0	0	631	0	631	96	0	0	0	96	535	155	32	188
2021	660	0	0	660	0	660	111	0	0	0	111	550	160	34	194
2022	652	0	0	652	0	652	101	0	0	0	101	551	165	35	200
2023	693	0	0	693	0	693	120	0	0	0	120	573	171	37	208
2024	695	0	0	695	0	695	143	0	0	0	143	552	173	38	211
2025	698	0	0	698	0	698	154	0	0	0	154	543	170	37	208
2026	724	0	0	724	0	724	156	0	0	0	156	568	173	37	211
2027	733	0	0	733	0	733	158	0	0	0	158	575	178	39	217
2028	754	0	0	754	0	754	160	0	0	0	160	594	184	40	224
2029	766	0	0	766	0	766	164	0	0	0	164	602	190	41	231
2030	779	0	0	779	0	779	172	0	0	0	172	607	193	42	235
2031	796	0	0	796	0	796	170	0	0	0	170	626	194	42	237
2032	815	0	0	815	0	815	177	0	0	0	177	638	199	43	243
2033	839	0	0	839	0	839	185	0	0	0	185	654	202	44	246
2034	849	0	0	849	0	849	181	0	0	0	181	668	206	44	250
2035	863	0	0	863	0	863	187	0	0	0	187	677	213	46	260
2036	887	0	0	887	0	887	191	0	0	0	191	696	216	47	263
2037	897	0	0	897	0	897	196	0	0	0	196	701	221	48	269
2038	913	0	0	913	0	913	193	0	0	0	193	720	224	49	272
2039	944	0	0	944	0	944	213	0	0	0	213	731	229	50	279
2040	947	0	0	947	0	947	198	0	0	0	198	749	231	50	281
2041	973	0	0	973	0	973	213	0	0	0	213	761	239	52	291
2042	992	0	0	992	0	992	217	0	0	0	217	775	242	52	295
2043	1,002	0	0	1,002	0	1,002	211	0	0	0	211	791	246	53	299
2044	1,026	0	0	1,026	0	1,026	225	0	0	0	225	801	254	55	309
2045	1,053	0	0	1,053	0	1,053	228	0	0	0	228	826	256	55	311
2046	1,063	0	0	1,063	0	1,063	232	0	0	0	232	831	262	57	318
2047	1,083	0	0	1,083	0	1,083	253	0	0	0	253	831	255	57	313
2048	1,068	0	0	1,068	0	1,068	254	0	0	0	254	814	251	55	306
2049	1,003	0	0	1,003	0	1,003	237	0	0	0	237	766	247	52	299
2050	927	0	0	927	0	927	226	0	0	0	226	701	236	46	283
2051	796	0	0	796	0	796	198	0	0	0	198	598	200	38	239
2052	626	0	0	626	0	626	158	0	0	0	158	468	145	30	175
2053	477	0	0	477	0	477	116	0	0	0	116	361	123	22	145
2054	333	0	0	333	0	333	73	0	0	0	73	259	108	15	123
2055	199	0	0	199	0	199	29	0	0	0	29	170	98	9	107
2056	114	0	0	114	0	114	25	0	0	0	25	89	35	5	40
2057	58	0	0	58	0	58	11	0	0	0	11	47	22	3	25
2058	26	0	0	26	0	26	4	0	0	0	4	22	12	1	13
2059	8	0	0	8	0	8	1	0	0	0	1	7	5	0	5
Tot.	**31,735**	**0**	**0**	**31,735**	**0**	**31,735**	**6,507**	**0**	**0**	**0**	**6,507**	**25,228**	**7,987**	**1,675**	**9,662**
Disc	4,950	0	0	4,950	0	4,950	815	0	0	0	815	4,135	1,295	271	1,566

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	35	0	181	215	-215	-267	-255
2013	0	0	0	12	0	0	12	51	0	169	220	-208	-474	-434
2014	0	0	0	84	4	0	88	1	0	226	227	-140	-614	-543
2015	0	0	0	137	4	0	141	69	0	248	317	-176	-790	-668
2016	0	0	0	165	10	0	174	61	0	140	201	-26	-816	-685
2017	0	0	0	275	8	0	282	21	0	63	84	198	-618	-568
2018	0	0	0	354	7	0	361	35	0	41	76	285	-333	-416
2019	0	0	0	330	16	0	346	50	0	53	103	242	-91	-299
2020	0	0	0	348	15	0	363	63	0	65	128	235	144	-195
2021	0	0	0	355	16	0	371	44	0	54	98	273	417	-85
2022	0	0	0	351	16	0	367	57	0	64	121	246	663	4
2023	0	0	0	366	16	3	379	46	0	58	103	276	939	96
2024	0	0	0	341	17	4	354	47	0	58	105	249	1,188	171
2025	0	0	0	336	17	0	353	48	0	56	104	249	1,437	239
2026	0	0	0	357	17	5	369	58	0	65	123	246	1,683	300
2027	0	0	0	358	18	5	371	57	0	65	121	249	1,932	357
2028	0	0	0	371	18	2	386	61	0	70	131	255	2,187	409
2029	0	0	0	371	18	2	387	57	0	68	125	261	2,448	458
2030	0	0	0	372	19	5	386	51	0	63	114	272	2,720	504
2031	0	0	0	390	19	6	403	63	0	71	134	269	2,989	546
2032	0	0	0	396	19	4	411	60	0	70	130	281	3,270	585
2033	0	0	0	408	20	5	423	59	0	70	130	293	3,563	623
2034	0	0	0	418	20	4	434	69	0	78	147	288	3,850	656
2035	0	0	0	417	21	4	433	62	0	75	137	296	4,146	688
2036	0	0	0	433	21	4	449	67	0	79	146	303	4,450	717
2037	0	0	0	432	22	5	449	63	0	75	138	311	4,761	744
2038	0	0	0	447	22	5	464	74	0	84	158	306	5,067	768
2039	0	0	0	452	22	5	469	59	0	74	133	336	5,403	792
2040	0	0	0	468	23	5	486	81	0	90	171	315	5,719	813
2041	0	0	0	470	23	5	488	68	0	82	151	338	6,056	833
2042	0	0	0	480	24	6	499	71	0	84	155	343	6,399	852
2043	0	0	0	492	24	5	511	83	0	93	176	336	6,735	868
2044	0	0	0	491	25	5	511	69	0	85	154	357	7,092	884
2045	0	0	0	515	25	6	534	80	0	93	173	361	7,453	899
2046	0	0	0	513	26	5	533	75	0	90	164	368	7,821	913
2047	0	0	0	518	26	6	538	59	0	80	139	399	8,220	926
2048	0	0	0	508	28	5	530	52	0	75	127	403	8,623	938
2049	0	0	0	467	30	7	490	42	0	69	111	379	9,002	949
2050	0	0	0	419	32	5	445	24	0	55	80	366	9,368	958
2051	0	0	0	360	19	7	371	15	0	48	63	309	9,677	965
2052	0	0	0	293	8	6	295	15	0	41	56	239	9,916	970
2053	0	0	0	216	10	6	220	9	0	33	42	178	10,094	974
2054	0	0	0	136	12	7	142	2	0	25	27	115	10,209	976
2055	0	0	0	63	14	15	62	2	0	20	22	40	10,249	976
2056	0	0	0	49	0	4	45	1	0	10	11	34	10,283	977
2057	0	0	0	22	0	4	18	0	0	6	6	12	10,294	977
2058	0	0	0	9	0	4	5	0	0	4	4	1	10,296	977
2059	0	0	0	2	0	11	-9	0	0	1	1	-11	10,285	977
Tot.	**0**	**0**	**0**	**15,566**	**769**	**194**	**16,141**	**2,236**	**0**	**3,620**	**5,856**	**10,285**	**10,285**	**977**
Disc	0	0	0	2,568	113	14	2,667	485	0	1,206	1,690	977	977	977

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	333,171	333,171	0	333,171	267,312	1.000	333,171	100	48.1	400.4	23.4
Total: Oil Eq.	Mboe	333,171	333,171	0	333,171	267,312	1.000	333,171	100	48.1	400.4	23.4

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,228	100	4,135	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,228	100	4,135	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	100.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	20.5041
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	15,566	16,141	5,856	10,285	30.87
5.0	5,475	5,685	2,694	2,990	8.97
8.0	3,378	3,508	1,981	1,527	4.58
10.0	2,568	2,667	1,690	977	2.93
12.0	2,014	2,092	1,481	611	1.83
15.0	1,467	1,523	1,262	261	0.78
20.0	948	984	1,030	-47	-0.14

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:38

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Resource Class: **Contingent Resources**
Development Class: **Low Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	8	1,800	1,800	657	617	59.59
2014	24	6,600	6,600	2,409	2,245	63.25
2015	24	9,000	9,000	3,285	3,062	63.58
2016	40	12,360	12,360	4,511	4,205	63.68
2017	139	36,161	36,161	13,199	12,280	64.63
2018	144	50,185	50,185	18,318	16,996	66.78
2019	205	61,732	61,732	22,532	20,848	68.25
2020	213	69,479	69,479	25,360	23,397	70.45
2021	240	67,469	67,469	24,626	22,654	71.96
2022	265	66,573	66,573	24,299	21,084	73.50
2023	286	66,313	66,313	24,204	20,729	75.07
2024	311	67,925	67,925	24,793	20,292	76.58
2025	328	69,891	69,891	25,510	20,332	78.11
2026	277	67,970	67,970	24,809	19,593	79.67
2027	246	67,148	67,148	24,509	19,442	81.26
2028	268	67,656	67,656	24,694	19,739	82.89
2029	292	68,432	68,432	24,978	19,950	84.55
2030	298	68,695	68,695	25,074	19,901	86.24
2031	289	68,097	68,097	24,855	19,765	87.96
2032	283	67,333	67,333	24,577	19,735	89.72
2033	274	66,621	66,621	24,317	19,392	91.52
2034	290	66,722	66,722	24,354	19,826	93.35
2035	291	64,927	64,927	23,698	19,403	95.21
2036	303	64,707	64,707	23,618	18,838	97.12
2037	295	62,524	62,524	22,821	18,964	99.06
2038	309	62,442	62,442	22,791	18,606	101.04
2039	313	62,758	62,758	22,907	18,621	103.06
2040	301	60,961	60,961	22,251	17,689	105.12
2041	289	56,607	56,607	20,661	16,419	107.23
2042	280	51,291	51,291	18,721	14,228	109.37
2043	243	42,485	42,485	15,507	11,510	111.56
2044	203	31,759	31,759	11,592	8,727	113.79
2045	151	20,214	20,214	7,378	5,795	116.06
2046	111	12,186	12,186	4,448	3,705	118.39
2047	74	6,572	6,572	2,399	1,909	120.75
2048	51	3,676	3,676	1,342	1,087	123.17
2049	27	1,619	1,619	591	506	125.63
2050	4	225	225	82	75	128.14
Tot.				**656,678**	**542,167**	**87.69**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	39	0	0	39	0	39	2	0	0	0	2	37	28	3	32
2014	152	0	0	152	0	152	10	0	0	0	10	142	82	11	93
2015	209	0	0	209	0	209	14	0	0	0	14	195	80	12	92
2016	287	0	0	287	0	287	20	0	0	0	20	268	137	19	156
2017	853	0	0	853	0	853	59	0	0	0	59	794	366	66	432
2018	1,223	0	0	1,223	0	1,223	88	0	0	0	88	1,135	348	72	420
2019	1,538	0	0	1,538	0	1,538	115	0	0	0	115	1,423	474	100	574
2020	1,787	0	0	1,787	0	1,787	138	0	0	0	138	1,648	467	104	571
2021	1,772	0	0	1,772	0	1,772	142	0	0	0	142	1,630	463	106	569
2022	1,786	0	0	1,786	0	1,786	236	0	0	0	236	1,550	443	107	550
2023	1,817	0	0	1,817	0	1,817	261	0	0	0	261	1,556	458	110	568
2024	1,899	0	0	1,899	0	1,899	345	0	0	0	345	1,554	468	111	579
2025	1,993	0	0	1,993	0	1,993	404	0	0	0	404	1,588	477	113	589
2026	1,977	0	0	1,977	0	1,977	416	0	0	0	416	1,561	483	117	601
2027	1,992	0	0	1,992	0	1,992	412	0	0	0	412	1,580	485	119	604
2028	2,047	0	0	2,047	0	2,047	411	0	0	0	411	1,636	500	122	622
2029	2,112	0	0	2,112	0	2,112	425	0	0	0	425	1,687	516	125	641
2030	2,162	0	0	2,162	0	2,162	446	0	0	0	446	1,716	528	127	655
2031	2,186	0	0	2,186	0	2,186	448	0	0	0	448	1,739	531	128	659
2032	2,205	0	0	2,205	0	2,205	434	0	0	0	434	1,771	545	131	676
2033	2,225	0	0	2,225	0	2,225	451	0	0	0	451	1,775	554	134	688
2034	2,273	0	0	2,273	0	2,273	423	0	0	0	423	1,851	570	137	706
2035	2,256	0	0	2,256	0	2,256	409	0	0	0	409	1,847	583	139	722
2036	2,294	0	0	2,294	0	2,294	464	0	0	0	464	1,829	590	141	731
2037	2,261	0	0	2,261	0	2,261	382	0	0	0	382	1,879	539	137	676
2038	2,303	0	0	2,303	0	2,303	423	0	0	0	423	1,880	571	146	716
2039	2,361	0	0	2,361	0	2,361	442	0	0	0	442	1,919	584	149	733
2040	2,339	0	0	2,339	0	2,339	480	0	0	0	480	1,860	590	150	740
2041	2,215	0	0	2,215	0	2,215	455	0	0	0	455	1,761	551	139	690
2042	2,048	0	0	2,048	0	2,048	491	0	0	0	491	1,556	514	128	642
2043	1,730	0	0	1,730	0	1,730	446	0	0	0	446	1,284	405	101	506
2044	1,319	0	0	1,319	0	1,319	326	0	0	0	326	993	332	74	406
2045	856	0	0	856	0	856	184	0	0	0	184	673	281	46	327
2046	527	0	0	527	0	527	88	0	0	0	88	439	224	28	251
2047	290	0	0	290	0	290	59	0	0	0	59	231	98	14	112
2048	165	0	0	165	0	165	31	0	0	0	31	134	59	7	66
2049	74	0	0	74	0	74	11	0	0	0	11	64	33	3	36
2050	11	0	0	11	0	11	1	0	0	0	1	10	9	0	9
Tot.	**57,582**	**0**	**0**	**57,582**	**0**	**57,582**	**10,392**	**0**	**0**	**0**	**10,392**	**47,190**	**14,964**	**3,476**	**18,440**
Disc	11,205	0	0	11,205	0	11,205	1,672	0	0	0	1,672	9,533	3,070	684	3,753

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	37	0	183	220	-220	-272	-260
2013	0	0	0	5	0	0	5	70	0	182	252	-248	-519	-473
2014	0	0	0	49	4	0	53	6	0	292	298	-245	-764	-664
2015	0	0	0	103	4	0	107	75	0	505	580	-473	-1,237	-1,000
2016	0	0	0	112	10	0	122	434	0	773	1,207	-1,086	-2,323	-1,702
2017	0	0	0	362	17	0	379	27	0	384	411	-31	-2,354	-1,720
2018	0	0	0	715	13	0	727	268	0	454	722	5	-2,349	-1,717
2019	0	0	0	849	16	0	865	60	0	157	218	648	-1,701	-1,403
2020	0	0	0	1,077	13	0	1,091	124	0	142	266	825	-877	-1,039
2021	0	0	0	1,061	14	0	1,076	164	0	175	339	737	-140	-743
2022	0	0	0	1,000	15	0	1,015	172	0	186	358	657	517	-504
2023	0	0	0	988	16	3	1,001	198	0	209	407	594	1,111	-307
2024	0	0	0	975	15	5	984	151	0	184	335	649	1,760	-111
2025	0	0	0	999	15	0	1,013	179	0	208	387	626	2,386	60
2026	0	0	0	960	16	5	970	154	0	183	337	634	3,020	218
2027	0	0	0	976	16	34	958	170	0	188	358	600	3,620	354
2028	0	0	0	1,014	17	2	1,029	190	0	208	398	631	4,251	484
2029	0	0	0	1,046	16	22	1,041	192	0	216	408	632	4,883	602
2030	0	0	0	1,061	17	3	1,075	180	0	212	392	683	5,566	718
2031	0	0	0	1,080	17	10	1,087	190	0	218	408	679	6,245	823
2032	0	0	0	1,095	18	13	1,100	211	0	232	443	657	6,902	916
2033	0	0	0	1,087	19	14	1,091	191	0	219	411	681	7,583	1,003
2034	0	0	0	1,144	19	16	1,147	248	0	262	510	637	8,220	1,077
2035	0	0	0	1,126	21	12	1,134	248	0	264	512	622	8,842	1,143
2036	0	0	0	1,099	21	14	1,106	179	0	223	402	703	9,545	1,210
2037	0	0	0	1,202	23	12	1,213	315	0	314	629	584	10,129	1,261
2038	0	0	0	1,164	23	14	1,173	252	0	278	529	644	10,773	1,312
2039	0	0	0	1,187	24	15	1,195	246	0	277	524	671	11,444	1,361
2040	0	0	0	1,120	25	16	1,130	173	0	228	400	729	12,173	1,408
2041	0	0	0	1,070	15	14	1,071	166	0	222	388	683	12,856	1,449
2042	0	0	0	914	6	15	905	40	0	137	177	728	13,584	1,489
2043	0	0	0	778	6	17	767	8	0	101	109	658	14,242	1,521
2044	0	0	0	587	11	15	582	8	0	89	97	485	14,727	1,543
2045	0	0	0	346	2	20	328	1	0	69	70	258	14,984	1,553
2046	0	0	0	187	7	49	145	0	0	55	55	90	15,074	1,557
2047	0	0	0	118	0	12	107	0	0	30	30	77	15,151	1,559
2048	0	0	0	68	0	13	55	0	0	21	21	34	15,185	1,560
2049	0	0	0	28	0	12	16	0	0	12	12	4	15,189	1,560
2050	0	0	0	1	0	40	-39	0	0	3	3	-42	15,147	1,559
Tot.	**0**	**0**	**0**	**28,750**	**492**	**418**	**28,824**	**5,326**	**0**	**8,351**	**13,678**	**15,147**	**15,147**	**1,559**
Disc	0	0	0	5,779	109	38	5,850	1,392	0	2,898	4,291	1,559	1,559	1,559

SUMMARY OF RESOURCES

Product	Units	**Remaining Resources at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Resource Life Indic. (yr)** Resource Life	Life Index	Half Life
Heavy Oil	Mbbl	656,678	656,678	0	656,678	542,167	1.000	656,678	100	39.1	999.9	19.6
Total: Oil Eq.	Mboe	656,678	656,678	0	656,678	542,167	1.000	656,678	100	39.1	999.9	19.6

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47,190	100	9,533	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47,190	100	9,533	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	100.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	18.0469
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	28,750	28,824	13,678	15,147	23.07
5.0	11,825	11,921	6,942	4,979	7.58
8.0	7,558	7,639	5,102	2,537	3.86
10.0	5,779	5,850	4,291	1,559	2.37
12.0	4,513	4,574	3,684	890	1.36
15.0	3,222	3,271	3,024	247	0.38
20.0	1,976	2,011	2,315	-303	-0.46

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:39

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Resource Class: **Contingent Resources**
Development Class: **Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	0	0	0	0	0	0.00
2016	0	0	0	0	0	0.00
2017	66	16,785	16,785	6,127	5,700	64.63
2018	68	28,485	28,485	10,397	9,647	66.78
2019	114	39,835	39,835	14,540	13,453	68.25
2020	176	62,985	62,985	22,990	21,328	70.45
2021	248	79,496	79,496	29,016	27,128	71.96
2022	293	79,999	79,999	29,200	27,188	73.50
2023	409	99,451	99,451	36,300	33,380	75.07
2024	507	112,428	112,428	41,036	33,736	76.58
2025	424	106,016	106,016	38,696	30,908	78.11
2026	449	109,880	109,880	40,106	31,241	79.67
2027	498	115,878	115,878	42,296	32,952	81.26
2028	452	108,901	108,901	39,749	31,442	82.89
2029	524	111,464	111,464	40,684	31,864	84.55
2030	493	109,031	109,031	39,796	31,262	86.24
2031	434	107,173	107,173	39,118	30,618	87.96
2032	447	112,149	112,149	40,934	31,735	89.72
2033	437	110,339	110,339	40,274	31,053	91.52
2034	466	108,349	108,349	39,548	31,583	93.35
2035	499	108,169	108,169	39,482	31,376	95.21
2036	482	107,132	107,132	39,103	30,804	97.12
2037	475	107,738	107,738	39,324	31,211	99.06
2038	462	103,719	103,719	37,857	30,843	101.04
2039	495	106,073	106,073	38,717	31,204	103.06
2040	532	109,076	109,076	39,813	32,225	105.12
2041	555	109,045	109,045	39,801	32,399	107.23
2042	562	109,345	109,345	39,911	32,491	109.37
2043	566	109,826	109,826	40,086	32,661	111.56
2044	586	109,731	109,731	40,052	32,723	113.79
2045	610	111,255	111,255	40,608	33,055	116.06
2046	619	110,777	110,777	40,434	32,961	118.39
2047	627	110,766	110,766	40,429	32,633	120.75
2048	624	108,519	108,519	39,609	29,884	123.17
2049	562	93,549	93,549	34,146	25,749	125.63
2050	497	71,413	71,413	26,066	20,192	128.14
2051	428	50,583	50,583	18,463	14,798	130.71
2052	350	33,378	33,378	12,183	9,065	133.32
2053	233	14,555	14,555	5,313	4,099	135.99
2054	114	865	865	316	485	138.71
2055	7	-6,966	-6,966	-2,543	-1,751	141.48
2056	-39	-8,211	-8,211	-2,997	-2,233	144.31
2057	-36	-6,545	-6,545	-2,389	-1,843	147.20
2058	-32	-5,020	-5,020	-1,832	-1,453	150.14
2059	-26	-3,306	-3,306	-1,207	-899	153.14
2060	-18	-1,733	-1,733	-632	-493	156.21
Tot.				**1,230,917**	**998,407**	**96.86**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	**Process.** MM$	**Royalty** MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	27	0	27
2015	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
2016	0	0	0	0	0	0	0	0	0	0	0	0	32	0	32
2017	396	0	0	396	0	396	28	0	0	0	28	368	210	36	246
2018	694	0	0	694	0	694	50	0	0	0	50	644	199	41	241
2019	992	0	0	992	0	992	74	0	0	0	74	918	316	66	382
2020	1,620	0	0	1,620	0	1,620	117	0	0	0	117	1,503	501	106	607
2021	2,088	0	0	2,088	0	2,088	136	0	0	0	136	1,952	483	113	596
2022	2,146	0	0	2,146	0	2,146	148	0	0	0	148	1,998	539	126	664
2023	2,725	0	0	2,725	0	2,725	219	0	0	0	219	2,506	667	161	828
2024	3,142	0	0	3,142	0	3,142	559	0	0	0	559	2,583	668	170	838
2025	3,022	0	0	3,022	0	3,022	608	0	0	0	608	2,414	663	171	834
2026	3,195	0	0	3,195	0	3,195	706	0	0	0	706	2,489	676	177	853
2027	3,437	0	0	3,437	0	3,437	759	0	0	0	759	2,678	689	180	869
2028	3,295	0	0	3,295	0	3,295	689	0	0	0	689	2,606	696	181	877
2029	3,440	0	0	3,440	0	3,440	746	0	0	0	746	2,694	730	187	917
2030	3,432	0	0	3,432	0	3,432	736	0	0	0	736	2,696	743	190	933
2031	3,441	0	0	3,441	0	3,441	748	0	0	0	748	2,693	747	193	940
2032	3,673	0	0	3,673	0	3,673	825	0	0	0	825	2,847	765	201	966
2033	3,686	0	0	3,686	0	3,686	844	0	0	0	844	2,842	769	201	970
2034	3,692	0	0	3,692	0	3,692	743	0	0	0	743	2,948	774	198	971
2035	3,759	0	0	3,759	0	3,759	772	0	0	0	772	2,987	820	208	1,028
2036	3,798	0	0	3,798	0	3,798	806	0	0	0	806	2,992	836	213	1,049
2037	3,895	0	0	3,895	0	3,895	804	0	0	0	804	3,092	853	218	1,072
2038	3,825	0	0	3,825	0	3,825	709	0	0	0	709	3,116	865	219	1,083
2039	3,990	0	0	3,990	0	3,990	774	0	0	0	774	3,216	897	227	1,124
2040	4,185	0	0	4,185	0	4,185	798	0	0	0	798	3,388	936	238	1,174
2041	4,268	0	0	4,268	0	4,268	794	0	0	0	794	3,474	968	244	1,212
2042	4,365	0	0	4,365	0	4,365	812	0	0	0	812	3,554	985	252	1,237
2043	4,472	0	0	4,472	0	4,472	828	0	0	0	828	3,644	966	259	1,225
2044	4,557	0	0	4,557	0	4,557	834	0	0	0	834	3,724	1,034	266	1,300
2045	4,713	0	0	4,713	0	4,713	877	0	0	0	877	3,837	1,071	274	1,344
2046	4,787	0	0	4,787	0	4,787	885	0	0	0	885	3,902	1,096	279	1,374
2047	4,882	0	0	4,882	0	4,882	941	0	0	0	941	3,941	1,104	283	1,388
2048	4,879	0	0	4,879	0	4,879	1,198	0	0	0	1,198	3,681	1,099	279	1,378
2049	4,290	0	0	4,290	0	4,290	1,055	0	0	0	1,055	3,235	950	228	1,178
2050	3,340	0	0	3,340	0	3,340	753	0	0	0	753	2,587	828	170	998
2051	2,413	0	0	2,413	0	2,413	479	0	0	0	479	1,934	733	114	847
2052	1,624	0	0	1,624	0	1,624	416	0	0	0	416	1,209	421	68	488
2053	722	0	0	722	0	722	165	0	0	0	165	557	244	26	271
2054	44	0	0	44	0	44	-23	0	0	0	-23	67	86	-5	81
2055	-360	0	0	-360	0	-360	-112	0	0	0	-112	-248	-29	-20	-49
2056	-432	0	0	-432	0	-432	-110	0	0	0	-110	-322	-95	-22	-118
2057	-352	0	0	-352	0	-352	-80	0	0	0	-80	-271	-91	-18	-108
2058	-275	0	0	-275	0	-275	-57	0	0	0	-57	-218	-90	-13	-103
2059	-185	0	0	-185	0	-185	-47	0	0	0	-47	-138	-45	-8	-54
2060	-99	0	0	-99	0	-99	-22	0	0	0	-22	-77	-29	-4	-33
Tot.	**119,223**	**0**	**0**	**119,223**	**0**	**119,223**	**22,981**	**0**	**0**	**0**	**22,981**	**96,242**	**27,335**	**6,670**	**34,005**
Disc	15,379	0	0	15,379	0	15,379	2,592	0	0	0	2,592	12,787	3,674	878	4,552

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	5	0	3	8	-8	-8	-7
2013	0	0	0	0	0	0	0	5	0	3	8	-8	-15	-14
2014	0	0	0	-27	0	0	-27	7	0	74	80	-107	-123	-98
2015	0	0	0	-30	0	0	-30	8	0	288	296	-325	-448	-329
2016	0	0	0	-32	0	0	-32	292	0	557	849	-881	-1,329	-898
2017	0	0	0	123	1	0	124	17	0	418	435	-311	-1,640	-1,081
2018	0	0	0	404	-4	0	400	204	0	696	900	-500	-2,140	-1,348
2019	0	0	0	536	0	0	536	290	0	784	1,074	-538	-2,677	-1,609
2020	0	0	0	895	7	0	903	137	0	570	708	195	-2,482	-1,523
2021	0	0	0	1,356	1	0	1,357	215	0	611	825	532	-1,950	-1,309
2022	0	0	0	1,334	1	0	1,336	416	0	590	1,006	330	-1,620	-1,189
2023	0	0	0	1,678	2	0	1,680	305	0	343	648	1,032	-588	-847
2024	0	0	0	1,746	-5	0	1,741	214	0	259	474	1,267	679	-465
2025	0	0	0	1,580	-1	0	1,579	267	0	286	554	1,025	1,705	-184
2026	0	0	0	1,636	-3	0	1,633	257	0	283	540	1,093	2,797	89
2027	0	0	0	1,809	-6	23	1,780	322	0	336	658	1,122	3,920	343
2028	0	0	0	1,729	-3	1	1,726	338	0	342	680	1,046	4,966	558
2029	0	0	0	1,777	-4	16	1,756	312	0	338	650	1,106	6,072	765
2030	0	0	0	1,763	-3	23	1,737	302	0	333	635	1,103	7,175	953
2031	0	0	0	1,753	-2	14	1,737	294	0	320	615	1,122	8,296	1,126
2032	0	0	0	1,881	-5	17	1,860	303	0	330	632	1,228	9,524	1,299
2033	0	0	0	1,872	-4	36	1,832	285	0	318	603	1,229	10,753	1,456
2034	0	0	0	1,977	-3	28	1,947	436	0	425	862	1,085	11,838	1,582
2035	0	0	0	1,959	-3	17	1,939	393	0	408	801	1,138	12,976	1,702
2036	0	0	0	1,943	-2	23	1,918	353	0	381	734	1,184	14,160	1,816
2037	0	0	0	2,020	-2	24	1,993	400	0	414	815	1,179	15,339	1,919
2038	0	0	0	2,033	0	29	2,004	493	0	478	970	1,034	16,373	2,001
2039	0	0	0	2,092	-1	30	2,061	464	0	467	931	1,130	17,503	2,082
2040	0	0	0	2,214	-3	27	2,184	509	0	509	1,018	1,166	18,670	2,159
2041	0	0	0	2,262	-4	25	2,233	536	0	536	1,071	1,162	19,832	2,228
2042	0	0	0	2,316	-4	26	2,286	551	0	548	1,099	1,187	21,019	2,293
2043	0	0	0	2,419	10	27	2,401	594	0	582	1,176	1,225	22,244	2,353
2044	0	0	0	2,424	23	26	2,421	584	0	589	1,173	1,248	23,491	2,409
2045	0	0	0	2,492	23	38	2,477	581	0	596	1,177	1,300	24,791	2,462
2046	0	0	0	2,528	24	22	2,530	591	0	609	1,200	1,330	26,120	2,511
2047	0	0	0	2,553	9	34	2,528	551	0	590	1,141	1,387	27,508	2,558
2048	0	0	0	2,303	10	37	2,276	169	0	337	506	1,770	29,278	2,612
2049	0	0	0	2,057	6	46	2,017	159	0	316	474	1,542	30,820	2,655
2050	0	0	0	1,589	8	42	1,555	161	0	300	460	1,095	31,915	2,682
2051	0	0	0	1,087	8	45	1,051	117	0	252	369	682	32,597	2,698
2052	0	0	0	720	-8	48	664	-13	0	109	97	567	33,164	2,710
2053	0	0	0	287	-9	56	222	-24	0	64	40	183	33,347	2,713
2054	0	0	0	-14	-9	50	-73	-11	0	32	21	-94	33,252	2,712
2055	0	0	0	-198	-9	270	-478	-15	0	-7	-22	-456	32,796	2,705
2056	0	0	0	-204	-10	-3	-212	-13	0	-26	-39	-173	32,623	2,702
2057	0	0	0	-163	-12	-4	-171	-15	0	-27	-42	-129	32,494	2,700
2058	0	0	0	-115	-14	-4	-125	-8	0	-21	-30	-96	32,399	2,699
2059	0	0	0	-84	0	-3	-81	-1	0	-12	-13	-68	32,331	2,699
2060	0	0	0	-44	0	-25	-18	-2	0	-9	-11	-7	32,324	2,699
Tot.	**0**	**0**	**0**	**62,237**	**2**	**1,062**	**61,178**	**12,329**	**0**	**16,525**	**28,854**	**32,324**	**32,324**	**2,699**
Disc	0	0	0	8,236	-2	57	8,177	1,908	0	3,570	5,478	2,699	2,699	2,699

SUMMARY OF RESOURCES

Product	Units	**Remaining Resources at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Resource Life Indic. (yr)** Resource Life	Life Index	Half Life
Heavy Oil	Mbbl	1,230,917	1,230,917	0	1,230,917	998,407	1.000	1,230,917	100	49.1	200.9	24.6
Total: Oil Eq.	Mboe	1,230,917	1,230,917	0	1,230,917	998,407	1.000	1,230,917	100	49.1	200.9	24.6

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96,242	100	12,787	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96,242	100	12,787	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	19.2753
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	62,237	61,178	28,854	32,324	26.26
5.0	20,253	20,034	11,003	9,031	7.34
8.0	11,530	11,433	7,051	4,383	3.56
10.0	8,236	8,177	5,478	2,699	2.19
12.0	6,043	6,006	4,380	1,626	1.32
15.0	3,963	3,944	3,269	676	0.55
20.0	2,145	2,138	2,178	-40	-0.03

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:40

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Resource Class: **Contingent Resources**
Development Class: **High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	0	0	0	0	0	0.00
2016	0	0	0	0	0	0.00
2017	46	13,050	13,050	4,763	4,432	64.63
2018	50	22,875	22,875	8,349	7,747	66.78
2019	107	38,970	38,970	14,224	13,235	68.25
2020	158	63,720	63,720	23,258	22,125	70.45
2021	231	84,896	84,896	30,987	29,307	71.96
2022	260	89,397	89,397	32,630	30,567	73.50
2023	372	109,046	109,046	39,802	37,199	75.08
2024	509	135,380	135,380	49,414	39,782	76.58
2025	535	145,390	145,390	53,067	40,403	78.11
2026	581	148,460	148,460	54,188	40,911	79.67
2027	529	148,095	148,095	54,055	41,994	81.26
2028	551	155,933	155,933	56,916	43,348	82.89
2029	648	159,063	159,063	58,058	43,930	84.55
2030	629	152,478	152,478	55,654	42,342	86.24
2031	564	148,310	148,310	54,133	40,571	87.96
2032	534	150,864	150,864	55,065	41,562	89.72
2033	563	154,079	154,079	56,239	42,630	91.52
2034	548	154,908	154,908	56,542	42,516	93.35
2035	607	156,264	156,264	57,036	42,516	95.21
2036	560	145,752	145,752	53,200	41,269	97.12
2037	573	148,190	148,190	54,090	40,471	99.06
2038	561	147,820	147,820	53,954	41,431	101.04
2039	554	144,754	144,754	52,835	40,560	103.06
2040	583	143,873	143,873	52,514	41,429	105.12
2041	626	140,824	140,824	51,401	40,484	107.23
2042	621	133,766	133,766	48,824	39,235	109.37
2043	669	137,843	137,843	50,313	39,774	111.56
2044	676	139,114	139,114	50,777	40,457	113.79
2045	649	138,591	138,591	50,586	40,047	116.06
2046	713	143,360	143,360	52,326	41,460	118.39
2047	722	143,403	143,403	52,342	41,146	120.75
2048	745	144,809	144,809	52,855	41,778	123.17
2049	740	145,403	145,403	53,072	41,317	125.63
2050	708	142,613	142,613	52,054	39,978	128.14
2051	679	136,611	136,611	49,863	37,740	130.71
2052	647	125,469	125,469	45,796	34,016	133.32
2053	590	107,385	107,385	39,195	29,102	135.99
2054	534	86,229	86,229	31,474	23,207	138.71
2055	445	63,647	63,647	23,231	17,369	141.48
2056	345	43,336	43,336	15,818	11,497	144.31
2057	220	24,663	24,663	9,002	6,614	147.20
2058	118	11,915	11,915	4,349	3,205	150.14
2059	45	4,035	4,035	1,473	1,132	153.14
Tot.				**1,815,722**	**1,421,834**	**102.01**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	27	0	27
2015	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
2016	0	0	0	0	0	0	0	0	0	0	0	0	32	0	32
2017	308	0	0	308	0	308	21	0	0	0	21	286	169	27	196
2018	558	0	0	558	0	558	40	0	0	0	40	517	166	33	199
2019	971	0	0	971	0	971	67	0	0	0	67	903	314	66	381
2020	1,638	0	0	1,638	0	1,638	80	0	0	0	80	1,559	478	103	581
2021	2,230	0	0	2,230	0	2,230	121	0	0	0	121	2,109	520	124	644
2022	2,398	0	0	2,398	0	2,398	152	0	0	0	152	2,247	584	135	719
2023	2,988	0	0	2,988	0	2,988	195	0	0	0	195	2,793	737	166	903
2024	3,784	0	0	3,784	0	3,784	738	0	0	0	738	3,046	812	208	1,020
2025	4,145	0	0	4,145	0	4,145	989	0	0	0	989	3,156	818	218	1,036
2026	4,317	0	0	4,317	0	4,317	1,058	0	0	0	1,058	3,259	838	222	1,060
2027	4,393	0	0	4,393	0	4,393	980	0	0	0	980	3,413	826	222	1,048
2028	4,718	0	0	4,718	0	4,718	1,125	0	0	0	1,125	3,593	860	236	1,095
2029	4,909	0	0	4,909	0	4,909	1,194	0	0	0	1,194	3,714	894	241	1,135
2030	4,800	0	0	4,800	0	4,800	1,148	0	0	0	1,148	3,652	911	242	1,154
2031	4,762	0	0	4,762	0	4,762	1,193	0	0	0	1,193	3,569	921	246	1,168
2032	4,941	0	0	4,941	0	4,941	1,212	0	0	0	1,212	3,729	920	248	1,168
2033	5,147	0	0	5,147	0	5,147	1,245	0	0	0	1,245	3,901	955	258	1,213
2034	5,278	0	0	5,278	0	5,278	1,309	0	0	0	1,309	3,969	969	264	1,233
2035	5,431	0	0	5,431	0	5,431	1,383	0	0	0	1,383	4,048	988	267	1,255
2036	5,167	0	0	5,167	0	5,167	1,159	0	0	0	1,159	4,008	977	258	1,234
2037	5,358	0	0	5,358	0	5,358	1,349	0	0	0	1,349	4,009	1,040	278	1,318
2038	5,452	0	0	5,452	0	5,452	1,265	0	0	0	1,265	4,186	1,029	273	1,301
2039	5,445	0	0	5,445	0	5,445	1,265	0	0	0	1,265	4,180	1,083	287	1,370
2040	5,520	0	0	5,520	0	5,520	1,165	0	0	0	1,165	4,355	1,113	293	1,406
2041	5,511	0	0	5,511	0	5,511	1,171	0	0	0	1,171	4,341	1,148	297	1,445
2042	5,340	0	0	5,340	0	5,340	1,049	0	0	0	1,049	4,291	1,177	299	1,476
2043	5,613	0	0	5,613	0	5,613	1,176	0	0	0	1,176	4,437	1,213	308	1,520
2044	5,778	0	0	5,778	0	5,778	1,174	0	0	0	1,174	4,604	1,233	313	1,546
2045	5,871	0	0	5,871	0	5,871	1,223	0	0	0	1,223	4,648	1,253	321	1,574
2046	6,195	0	0	6,195	0	6,195	1,286	0	0	0	1,286	4,908	1,278	329	1,607
2047	6,320	0	0	6,320	0	6,320	1,352	0	0	0	1,352	4,969	1,253	337	1,590
2048	6,510	0	0	6,510	0	6,510	1,364	0	0	0	1,364	5,146	1,294	347	1,641
2049	6,668	0	0	6,668	0	6,668	1,477	0	0	0	1,477	5,191	1,325	357	1,683
2050	6,670	0	0	6,670	0	6,670	1,547	0	0	0	1,547	5,123	1,323	355	1,678
2051	6,517	0	0	6,517	0	6,517	1,585	0	0	0	1,585	4,933	1,276	336	1,612
2052	6,106	0	0	6,106	0	6,106	1,571	0	0	0	1,571	4,535	1,235	302	1,538
2053	5,330	0	0	5,330	0	5,330	1,373	0	0	0	1,373	3,957	1,082	245	1,326
2054	4,366	0	0	4,366	0	4,366	1,147	0	0	0	1,147	3,219	860	188	1,048
2055	3,287	0	0	3,287	0	3,287	829	0	0	0	829	2,457	734	132	865
2056	2,283	0	0	2,283	0	2,283	624	0	0	0	624	1,659	472	84	556
2057	1,325	0	0	1,325	0	1,325	351	0	0	0	351	974	290	44	333
2058	653	0	0	653	0	653	172	0	0	0	172	481	142	18	160
2059	226	0	0	226	0	226	52	0	0	0	52	173	68	6	74
Tot.	**185,224**	**0**	**0**	**185,224**	**0**	**185,224**	**40,976**	**0**	**0**	**0**	**40,976**	**144,248**	**37,667**	**9,533**	**47,199**
Disc	19,867	0	0	19,867	0	19,867	3,855	0	0	0	3,855	16,011	4,285	1,059	5,344

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	5	0	3	8	-8	-8	-8
2013	0	0	0	0	0	0	0	5	0	3	9	-9	-17	-15
2014	0	0	0	-27	-4	0	-31	7	0	58	65	-96	-113	-91
2015	0	0	0	-30	0	0	-30	8	0	223	231	-261	-374	-276
2016	0	0	0	-32	0	0	-32	207	0	449	656	-688	-1,062	-720
2017	0	0	0	90	3	0	93	26	0	443	469	-376	-1,438	-941
2018	0	0	0	319	-1	0	318	252	0	796	1,048	-730	-2,168	-1,331
2019	0	0	0	523	-8	0	514	240	0	866	1,106	-592	-2,760	-1,618
2020	0	0	0	977	-2	0	976	207	0	850	1,057	-82	-2,841	-1,654
2021	0	0	0	1,465	-9	0	1,456	143	0	830	973	483	-2,359	-1,461
2022	0	0	0	1,528	0	0	1,527	365	0	727	1,092	435	-1,923	-1,302
2023	0	0	0	1,890	9	0	1,899	511	0	522	1,033	866	-1,057	-1,015
2024	0	0	0	2,026	-3	0	2,023	269	0	306	576	1,447	390	-578
2025	0	0	0	2,120	-6	0	2,113	213	0	278	492	1,622	2,012	-134
2026	0	0	0	2,200	-8	0	2,191	213	0	288	501	1,690	3,702	287
2027	0	0	0	2,365	-9	16	2,340	420	0	418	838	1,501	5,204	627
2028	0	0	0	2,498	-13	1	2,483	367	0	387	754	1,730	6,934	983
2029	0	0	0	2,579	-14	20	2,545	355	0	398	754	1,792	8,725	1,318
2030	0	0	0	2,498	-12	19	2,468	368	0	408	776	1,692	10,417	1,606
2031	0	0	0	2,401	-10	19	2,373	273	0	338	611	1,761	12,178	1,879
2032	0	0	0	2,561	-11	10	2,540	353	0	391	744	1,796	13,975	2,131
2033	0	0	0	2,688	-13	32	2,643	394	0	426	820	1,823	15,798	2,364
2034	0	0	0	2,736	-14	44	2,678	366	0	406	772	1,906	17,704	2,586
2035	0	0	0	2,793	-15	24	2,755	327	0	392	719	2,036	19,739	2,801
2036	0	0	0	2,774	-9	17	2,748	520	0	515	1,036	1,712	21,452	2,965
2037	0	0	0	2,691	-10	19	2,662	295	0	373	668	1,995	23,446	3,139
2038	0	0	0	2,885	-10	40	2,835	485	0	501	987	1,848	25,294	3,286
2039	0	0	0	2,810	-9	33	2,769	439	0	474	913	1,856	27,151	3,420
2040	0	0	0	2,950	-8	30	2,911	606	0	596	1,202	1,709	28,860	3,532
2041	0	0	0	2,896	-6	29	2,861	562	0	578	1,140	1,720	30,580	3,635
2042	0	0	0	2,815	-2	24	2,789	620	0	622	1,242	1,547	32,127	3,718
2043	0	0	0	2,917	-4	32	2,881	558	0	596	1,153	1,727	33,855	3,804
2044	0	0	0	3,058	-6	36	3,017	640	0	656	1,296	1,720	35,575	3,881
2045	0	0	0	3,074	-5	33	3,036	608	0	631	1,239	1,796	37,371	3,954
2046	0	0	0	3,301	-9	27	3,265	677	0	694	1,371	1,893	39,264	4,024
2047	0	0	0	3,379	-9	45	3,325	661	0	690	1,351	1,974	41,239	4,090
2048	0	0	0	3,505	-10	26	3,468	718	0	740	1,458	2,010	43,249	4,152
2049	0	0	0	3,508	-11	42	3,455	617	0	676	1,293	2,162	45,411	4,212
2050	0	0	0	3,445	-9	38	3,398	516	0	607	1,123	2,275	47,685	4,269
2051	0	0	0	3,321	-5	55	3,260	411	0	532	944	2,317	50,002	4,323
2052	0	0	0	2,997	17	47	2,967	231	0	410	641	2,325	52,327	4,371
2053	0	0	0	2,631	15	55	2,590	198	0	374	572	2,018	54,346	4,410
2054	0	0	0	2,171	1	48	2,124	145	0	306	451	1,673	56,019	4,439
2055	0	0	0	1,592	-6	48	1,537	98	0	248	346	1,192	57,210	4,457
2056	0	0	0	1,104	0	58	1,046	24	0	145	168	878	58,088	4,470
2057	0	0	0	640	0	161	479	17	0	96	113	366	58,454	4,475
2058	0	0	0	321	0	33	288	11	0	53	63	225	58,678	4,477
2059	0	0	0	99	0	179	-80	0	0	21	21	-101	58,577	4,476
Tot.	**0**	**0**	**0**	**97,048**	**-236**	**1,340**	**95,472**	**15,551**	**0**	**21,344**	**36,895**	**58,577**	**58,577**	**4,476**
Disc	0	0	0	10,667	-35	61	10,571	2,040	0	4,055	6,095	4,476	4,476	4,476

SUMMARY OF RESOURCES

Product	Units	**Remaining Resources at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Resource Life Indic. (yr)** Resource Life	Life Index	Half Life
Heavy Oil	Mbbl	1,815,722	1,815,722	0	1,815,722	1,421,834	1.000	1,815,722	100	48.1	381.2	26.7
Total: Oil Eq.	Mboe	1,815,722	1,815,722	0	1,815,722	1,421,834	1.000	1,815,722	100	48.1	381.2	26.7

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144,248	100	16,011	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144,248	100	16,011	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	22.1224
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	97,048	95,472	36,895	58,577	32.26
5.0	28,155	27,825	12,828	14,997	8.26
8.0	15,303	15,152	7,963	7,188	3.96
10.0	10,667	10,571	6,095	4,476	2.47
12.0	7,667	7,604	4,816	2,788	1.54
15.0	4,901	4,864	3,542	1,322	0.73
20.0	2,563	2,546	2,314	232	0.13

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:41

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Reserve Class: **2P + Contingent Resources**
Development Class: **Total Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	8	2,040	2,040	745	699	59.59
2014	22	6,970	6,970	2,544	2,371	63.24
2015	22	9,350	9,350	3,413	3,181	63.58
2016	38	13,190	13,190	4,814	4,487	63.68
2017	118	34,581	34,581	12,622	11,743	64.63
2018	136	47,406	47,406	17,303	16,055	66.78
2019	191	57,838	57,838	21,111	19,533	68.25
2020	274	82,609	82,609	30,152	27,819	70.45
2021	348	98,987	98,987	36,130	33,237	71.96
2022	376	99,303	99,303	36,246	33,243	73.50
2023	494	119,227	119,227	43,518	39,579	75.07
2024	580	131,887	131,887	48,139	39,786	76.58
2025	508	126,099	126,099	46,026	36,862	78.11
2026	545	129,764	129,764	47,364	37,127	79.67
2027	593	135,298	135,298	49,384	38,980	81.26
2028	549	128,871	128,871	47,038	37,229	82.89
2029	608	131,403	131,403	47,962	37,705	84.55
2030	572	128,635	128,635	46,952	36,915	86.24
2031	515	126,955	126,955	46,339	36,422	87.96
2032	537	131,846	131,846	48,124	37,792	89.72
2033	536	130,314	130,314	47,565	36,857	91.52
2034	561	128,193	128,193	46,791	37,578	93.35
2035	586	127,409	127,409	46,504	36,931	95.21
2036	558	126,786	126,786	46,277	36,588	97.12
2037	559	127,828	127,828	46,657	37,159	99.06
2038	551	123,656	123,656	45,134	36,631	101.04
2039	592	126,049	126,049	46,008	36,884	103.06
2040	616	125,730	125,730	45,892	37,086	105.12
2041	627	124,131	124,131	45,308	36,906	107.23
2042	630	123,117	123,117	44,938	36,588	109.37
2043	627	122,186	122,186	44,598	36,365	111.56
2044	646	121,166	121,166	44,226	36,072	113.79
2045	663	121,656	121,656	44,404	36,046	116.06
2046	664	120,653	120,653	44,038	35,859	118.39
2047	670	120,521	120,521	43,990	35,489	120.75
2048	669	118,521	118,521	43,260	32,756	123.17
2049	606	103,375	103,375	37,732	28,603	125.63
2050	542	81,103	81,103	29,603	22,999	128.14
2051	473	60,448	60,448	22,064	17,645	130.71
2052	395	43,380	43,380	15,834	11,889	133.32
2053	276	24,305	24,305	8,871	6,914	135.99
2054	159	10,730	10,730	3,916	3,251	138.71
2055	50	2,526	2,526	922	822	141.48
Tot.				**1,480,456**	**1,204,680**	**96.49**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	44	0	0	44	0	44	3	0	0	0	3	42	29	4	33
2014	161	0	0	161	0	161	11	0	0	0	11	150	88	12	99
2015	217	0	0	217	0	217	15	0	0	0	15	202	86	13	99
2016	307	0	0	307	0	307	21	0	0	0	21	286	144	21	165
2017	816	0	0	816	0	816	57	0	0	0	57	759	339	61	400
2018	1,155	0	0	1,155	0	1,155	83	0	0	0	83	1,072	323	66	389
2019	1,441	0	0	1,441	0	1,441	108	0	0	0	108	1,333	453	92	545
2020	2,124	0	0	2,124	0	2,124	164	0	0	0	164	1,960	641	133	773
2021	2,600	0	0	2,600	0	2,600	208	0	0	0	208	2,392	625	142	767
2022	2,664	0	0	2,664	0	2,664	221	0	0	0	221	2,443	683	156	839
2023	3,267	0	0	3,267	0	3,267	296	0	0	0	296	2,971	813	191	1,005
2024	3,686	0	0	3,686	0	3,686	640	0	0	0	640	3,047	814	200	1,014
2025	3,595	0	0	3,595	0	3,595	716	0	0	0	716	2,879	813	202	1,015
2026	3,773	0	0	3,773	0	3,773	816	0	0	0	816	2,958	830	208	1,038
2027	4,013	0	0	4,013	0	4,013	845	0	0	0	845	3,168	846	211	1,057
2028	3,899	0	0	3,899	0	3,899	813	0	0	0	813	3,086	865	216	1,080
2029	4,055	0	0	4,055	0	4,055	867	0	0	0	867	3,188	894	221	1,115
2030	4,049	0	0	4,049	0	4,049	866	0	0	0	866	3,183	910	224	1,134
2031	4,076	0	0	4,076	0	4,076	872	0	0	0	872	3,204	915	228	1,143
2032	4,318	0	0	4,318	0	4,318	927	0	0	0	927	3,391	935	235	1,169
2033	4,353	0	0	4,353	0	4,353	980	0	0	0	980	3,373	954	239	1,193
2034	4,368	0	0	4,368	0	4,368	860	0	0	0	860	3,508	955	235	1,189
2035	4,428	0	0	4,428	0	4,428	912	0	0	0	912	3,516	1,008	247	1,255
2036	4,494	0	0	4,494	0	4,494	941	0	0	0	941	3,553	1,022	252	1,274
2037	4,622	0	0	4,622	0	4,622	941	0	0	0	941	3,681	1,042	257	1,299
2038	4,560	0	0	4,560	0	4,560	859	0	0	0	859	3,701	1,063	260	1,323
2039	4,742	0	0	4,742	0	4,742	940	0	0	0	940	3,801	1,094	267	1,361
2040	4,824	0	0	4,824	0	4,824	926	0	0	0	926	3,899	1,122	272	1,394
2041	4,858	0	0	4,858	0	4,858	901	0	0	0	901	3,957	1,151	277	1,428
2042	4,915	0	0	4,915	0	4,915	913	0	0	0	913	4,002	1,161	281	1,442
2043	4,975	0	0	4,975	0	4,975	918	0	0	0	918	4,057	1,124	286	1,410
2044	5,032	0	0	5,032	0	5,032	928	0	0	0	928	4,105	1,155	292	1,448
2045	5,154	0	0	5,154	0	5,154	970	0	0	0	970	4,184	1,181	298	1,479
2046	5,214	0	0	5,214	0	5,214	968	0	0	0	968	4,245	1,203	302	1,505
2047	5,312	0	0	5,312	0	5,312	1,026	0	0	0	1,026	4,285	1,209	308	1,516
2048	5,328	0	0	5,328	0	5,328	1,294	0	0	0	1,294	4,034	1,207	304	1,511
2049	4,740	0	0	4,740	0	4,740	1,147	0	0	0	1,147	3,593	1,058	253	1,311
2050	3,793	0	0	3,793	0	3,793	846	0	0	0	846	2,947	928	195	1,123
2051	2,884	0	0	2,884	0	2,884	578	0	0	0	578	2,306	836	140	975
2052	2,111	0	0	2,111	0	2,111	526	0	0	0	526	1,585	526	95	621
2053	1,206	0	0	1,206	0	1,206	266	0	0	0	266	940	349	53	402
2054	543	0	0	543	0	543	92	0	0	0	92	451	195	23	218
2055	130	0	0	130	0	130	14	0	0	0	14	116	76	6	82
Tot.	**142,849**	**0**	**0**	**142,849**	**0**	**142,849**	**27,295**	**0**	**0**	**0**	**27,295**	**115,554**	**33,664**	**7,975**	**41,639**
Disc	19,311	0	0	19,311	0	19,311	3,140	0	0	0	3,140	16,171	4,800	1,103	5,902

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	39	0	184	223	-223	-275	-262
2013	0	0	0	8	0	0	8	64	0	177	241	-233	-507	-463
2014	0	0	0	51	4	0	55	8	0	289	296	-242	-749	-652
2015	0	0	0	104	4	0	107	77	0	488	565	-457	-1,207	-977
2016	0	0	0	121	10	0	130	332	0	634	965	-835	-2,042	-1,516
2017	0	0	0	359	10	0	369	46	0	471	517	-147	-2,189	-1,603
2018	0	0	0	683	5	0	688	247	0	742	989	-301	-2,490	-1,763
2019	0	0	0	788	18	0	806	339	0	836	1,175	-369	-2,859	-1,942
2020	0	0	0	1,187	25	0	1,212	203	0	635	838	374	-2,485	-1,777
2021	0	0	0	1,625	19	0	1,644	260	0	663	923	721	-1,764	-1,488
2022	0	0	0	1,605	20	0	1,625	476	0	651	1,127	498	-1,266	-1,307
2023	0	0	0	1,967	20	3	1,984	340	0	388	728	1,257	-9	-890
2024	0	0	0	2,033	15	5	2,043	260	0	310	570	1,473	1,464	-446
2025	0	0	0	1,864	18	0	1,882	320	0	344	664	1,218	2,682	-112
2026	0	0	0	1,920	17	5	1,931	315	0	345	660	1,271	3,953	204
2027	0	0	0	2,110	14	26	2,099	411	0	419	830	1,268	5,221	492
2028	0	0	0	2,006	18	4	2,020	377	0	393	769	1,250	6,471	749
2029	0	0	0	2,073	17	20	2,070	366	0	398	763	1,306	7,778	993
2030	0	0	0	2,049	19	27	2,041	343	0	384	727	1,314	9,091	1,217
2031	0	0	0	2,061	20	20	2,061	353	0	383	736	1,325	10,416	1,422
2032	0	0	0	2,221	18	20	2,219	400	0	420	820	1,399	11,815	1,618
2033	0	0	0	2,180	19	41	2,158	330	0	377	707	1,451	13,266	1,804
2034	0	0	0	2,318	21	31	2,308	520	0	509	1,028	1,280	14,546	1,953
2035	0	0	0	2,262	21	22	2,261	433	0	461	894	1,367	15,913	2,097
2036	0	0	0	2,279	22	27	2,274	418	0	450	868	1,406	17,319	2,232
2037	0	0	0	2,382	22	29	2,374	477	0	493	970	1,404	18,722	2,355
2038	0	0	0	2,378	25	36	2,367	546	0	543	1,089	1,277	20,000	2,456
2039	0	0	0	2,440	24	33	2,431	504	0	525	1,029	1,402	21,401	2,557
2040	0	0	0	2,505	25	31	2,498	551	0	565	1,116	1,382	22,783	2,648
2041	0	0	0	2,530	26	29	2,527	584	0	595	1,178	1,349	24,132	2,728
2042	0	0	0	2,560	27	32	2,555	590	0	600	1,190	1,365	25,497	2,802
2043	0	0	0	2,646	29	36	2,639	634	0	635	1,269	1,371	26,868	2,870
2044	0	0	0	2,657	30	30	2,657	627	0	639	1,265	1,392	28,260	2,932
2045	0	0	0	2,704	30	45	2,689	613	0	636	1,249	1,440	29,700	2,991
2046	0	0	0	2,740	31	37	2,735	633	0	655	1,288	1,447	31,146	3,044
2047	0	0	0	2,769	17	37	2,749	594	0	635	1,229	1,519	32,666	3,096
2048	0	0	0	2,524	18	40	2,501	204	0	378	583	1,919	34,584	3,154
2049	0	0	0	2,282	14	49	2,247	201	0	361	562	1,685	36,270	3,201
2050	0	0	0	1,824	16	45	1,795	207	0	348	555	1,241	37,510	3,232
2051	0	0	0	1,331	16	48	1,299	163	0	301	464	835	38,345	3,252
2052	0	0	0	964	0	51	914	24	0	152	176	738	39,083	3,267
2053	0	0	0	538	0	59	479	24	0	115	139	340	39,423	3,274
2054	0	0	0	233	0	54	179	21	0	73	94	85	39,508	3,275
2055	0	0	0	34	0	274	-240	0	0	22	22	-261	39,246	3,271
Tot.	**0**	**0**	**0**	**73,915**	**723**	**1,246**	**73,392**	**14,474**	**0**	**19,672**	**34,145**	**39,246**	**39,246**	**3,271**
Disc	0	0	0	10,269	121	71	10,319	2,387	0	4,661	7,048	3,271	3,271	3,271

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	1,480,456	1,480,456	0	1,480,456	1,204,680	1.000	1,480,456	100	44.1	999.9	24.2
Total: Oil Eq.	Mboe	1,480,456	1,480,456	0	1,480,456	1,204,680	1.000	1,480,456	100	44.1	999.9	24.2

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115,554	100	16,171	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115,554	100	16,171	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	100.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	19.1073
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	73,915	73,392	34,145	39,246	26.51
5.0	24,441	24,439	13,467	10,973	7.41
8.0	14,169	14,213	8,881	5,332	3.60
10.0	10,269	10,319	7,048	3,271	2.21
12.0	7,656	7,705	5,761	1,944	1.31
15.0	5,155	5,199	4,450	749	0.51
20.0	2,928	2,962	3,147	-186	-0.13

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:40

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SAGD PROJECT**

Reserve Class: **3P + Contingent Resources**
Development Class: **Total High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	8	2,280	2,280	832	781	59.59
2014	20	7,220	7,220	2,635	2,456	63.25
2015	20	9,500	9,500	3,468	3,232	63.58
2016	36	13,820	13,820	5,044	4,702	63.68
2017	101	33,765	33,765	12,324	11,466	64.63
2018	118	46,079	46,079	16,819	15,606	66.78
2019	182	61,426	61,426	22,420	20,745	68.25
2020	254	88,268	88,268	32,218	29,725	70.45
2021	340	110,030	110,030	40,161	36,944	71.96
2022	367	113,688	113,688	41,496	38,058	73.50
2023	487	134,347	134,347	49,037	44,836	75.08
2024	608	160,248	160,248	58,490	46,991	76.58
2025	623	169,865	169,865	62,001	47,361	78.11
2026	681	173,358	173,358	63,276	48,040	79.67
2027	630	172,801	172,801	63,072	49,070	81.26
2028	661	180,866	180,866	66,016	50,519	82.89
2029	755	183,872	183,872	67,113	51,051	84.55
2030	730	177,234	177,234	64,690	49,384	86.24
2031	663	173,110	173,110	63,185	47,688	87.96
2032	633	175,750	175,750	64,149	48,675	89.72
2033	664	179,210	179,210	65,412	49,778	91.52
2034	652	179,813	179,813	65,632	49,671	93.35
2035	712	181,100	181,100	66,101	49,621	95.21
2036	665	170,780	170,780	62,335	48,435	97.12
2037	675	173,009	173,009	63,148	47,549	99.06
2038	661	172,566	172,566	62,987	48,554	101.04
2039	656	169,842	169,842	61,992	47,653	103.06
2040	684	168,556	168,556	61,523	48,553	105.12
2041	730	165,695	165,695	60,479	47,579	107.23
2042	724	158,613	158,613	57,894	46,322	109.37
2043	771	162,457	162,457	59,297	46,866	111.56
2044	778	163,811	163,811	59,791	47,496	113.79
2045	750	163,455	163,455	59,661	47,161	116.06
2046	814	167,951	167,951	61,302	48,476	118.39
2047	823	167,979	167,979	61,312	48,025	120.75
2048	844	168,559	168,559	61,524	48,385	123.17
2049	834	167,282	167,282	61,058	47,414	125.63
2050	797	162,438	162,438	59,290	45,451	128.14
2051	760	153,304	153,304	55,956	42,317	130.71
2052	716	138,335	138,335	50,492	37,528	133.32
2053	649	116,999	116,999	42,705	31,756	135.99
2054	580	92,800	92,800	33,872	25,078	138.71
2055	476	67,493	67,493	24,635	18,569	141.48
2056	366	45,497	45,497	16,607	12,112	144.31
2057	232	25,746	25,746	9,397	6,936	147.20
2058	124	12,389	12,389	4,522	3,355	150.14
2059	47	4,174	4,174	1,523	1,178	153.14
Tot.				**2,148,893**	**1,689,146**	**100.96**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	50	0	0	50	0	50	3	0	0	0	3	47	30	4	34
2014	167	0	0	167	0	167	11	0	0	0	11	155	87	12	98
2015	220	0	0	220	0	220	15	0	0	0	15	205	85	13	98
2016	321	0	0	321	0	321	22	0	0	0	22	299	145	22	167
2017	797	0	0	797	0	797	55	0	0	0	55	741	320	56	376
2018	1,123	0	0	1,123	0	1,123	81	0	0	0	81	1,042	307	63	370
2019	1,530	0	0	1,530	0	1,530	114	0	0	0	114	1,416	466	98	564
2020	2,270	0	0	2,270	0	2,270	176	0	0	0	176	2,094	633	136	769
2021	2,890	0	0	2,890	0	2,890	231	0	0	0	231	2,658	679	159	838
2022	3,050	0	0	3,050	0	3,050	253	0	0	0	253	2,797	749	170	919
2023	3,681	0	0	3,681	0	3,681	315	0	0	0	315	3,366	908	203	1,111
2024	4,479	0	0	4,479	0	4,479	881	0	0	0	881	3,598	985	246	1,231
2025	4,843	0	0	4,843	0	4,843	1,143	0	0	0	1,143	3,699	988	255	1,243
2026	5,041	0	0	5,041	0	5,041	1,214	0	0	0	1,214	3,827	1,011	259	1,271
2027	5,125	0	0	5,125	0	5,125	1,138	0	0	0	1,138	3,988	1,005	260	1,265
2028	5,472	0	0	5,472	0	5,472	1,285	0	0	0	1,285	4,187	1,044	275	1,319
2029	5,674	0	0	5,674	0	5,674	1,358	0	0	0	1,358	4,316	1,084	282	1,366
2030	5,579	0	0	5,579	0	5,579	1,320	0	0	0	1,320	4,259	1,104	285	1,389
2031	5,558	0	0	5,558	0	5,558	1,363	0	0	0	1,363	4,195	1,116	289	1,404
2032	5,756	0	0	5,756	0	5,756	1,388	0	0	0	1,388	4,367	1,119	291	1,410
2033	5,986	0	0	5,986	0	5,986	1,431	0	0	0	1,431	4,555	1,158	302	1,460
2034	6,126	0	0	6,126	0	6,126	1,490	0	0	0	1,490	4,637	1,175	309	1,483
2035	6,294	0	0	6,294	0	6,294	1,569	0	0	0	1,569	4,725	1,202	313	1,515
2036	6,054	0	0	6,054	0	6,054	1,350	0	0	0	1,350	4,704	1,193	305	1,498
2037	6,256	0	0	6,256	0	6,256	1,545	0	0	0	1,545	4,710	1,261	325	1,586
2038	6,364	0	0	6,364	0	6,364	1,458	0	0	0	1,458	4,906	1,252	321	1,574
2039	6,389	0	0	6,389	0	6,389	1,478	0	0	0	1,478	4,911	1,312	337	1,649
2040	6,468	0	0	6,468	0	6,468	1,363	0	0	0	1,363	5,104	1,344	342	1,686
2041	6,485	0	0	6,485	0	6,485	1,383	0	0	0	1,383	5,102	1,387	349	1,736
2042	6,332	0	0	6,332	0	6,332	1,266	0	0	0	1,266	5,066	1,420	351	1,771
2043	6,615	0	0	6,615	0	6,615	1,387	0	0	0	1,387	5,228	1,459	361	1,819
2044	6,804	0	0	6,804	0	6,804	1,399	0	0	0	1,399	5,405	1,487	368	1,855
2045	6,925	0	0	6,925	0	6,925	1,451	0	0	0	1,451	5,474	1,509	376	1,885
2046	7,257	0	0	7,257	0	7,257	1,518	0	0	0	1,518	5,739	1,540	386	1,925
2047	7,404	0	0	7,404	0	7,404	1,605	0	0	0	1,605	5,799	1,509	394	1,903
2048	7,578	0	0	7,578	0	7,578	1,618	0	0	0	1,618	5,960	1,545	402	1,947
2049	7,671	0	0	7,671	0	7,671	1,714	0	0	0	1,714	5,957	1,572	409	1,981
2050	7,598	0	0	7,598	0	7,598	1,773	0	0	0	1,773	5,824	1,559	402	1,961
2051	7,314	0	0	7,314	0	7,314	1,783	0	0	0	1,783	5,531	1,476	375	1,851
2052	6,732	0	0	6,732	0	6,732	1,728	0	0	0	1,728	5,003	1,380	332	1,713
2053	5,807	0	0	5,807	0	5,807	1,489	0	0	0	1,489	4,318	1,204	267	1,471
2054	4,698	0	0	4,698	0	4,698	1,220	0	0	0	1,220	3,478	968	203	1,171
2055	3,485	0	0	3,485	0	3,485	858	0	0	0	858	2,627	831	141	972
2056	2,397	0	0	2,397	0	2,397	649	0	0	0	649	1,748	507	89	596
2057	1,383	0	0	1,383	0	1,383	362	0	0	0	362	1,021	312	46	358
2058	679	0	0	679	0	679	175	0	0	0	175	504	154	19	174
2059	233	0	0	233	0	233	53	0	0	0	53	180	73	7	79
Tot.	**216,958**	**0**	**0**	**216,958**	**0**	**216,958**	**47,483**	**0**	**0**	**0**	**47,483**	**169,475**	**45,654**	**11,207**	**56,861**
Disc	24,816	0	0	24,816	0	24,816	4,671	0	0	0	4,671	20,146	5,580	1,330	6,911

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	52	52	-52	-52	-51
2012	0	0	0	0	0	0	0	40	0	184	224	-224	-275	-263
2013	0	0	0	12	0	0	12	57	0	172	228	-216	-492	-449
2014	0	0	0	57	0	0	57	8	0	285	293	-236	-727	-633
2015	0	0	0	108	4	0	111	77	0	471	548	-437	-1,164	-944
2016	0	0	0	133	10	0	142	267	0	589	856	-714	-1,878	-1,405
2017	0	0	0	365	10	0	375	48	0	505	553	-178	-2,056	-1,510
2018	0	0	0	672	6	0	678	287	0	837	1,123	-445	-2,502	-1,747
2019	0	0	0	852	8	0	860	291	0	919	1,209	-349	-2,851	-1,917
2020	0	0	0	1,325	14	0	1,339	270	0	915	1,185	154	-2,697	-1,849
2021	0	0	0	1,820	7	0	1,827	186	0	885	1,071	756	-1,941	-1,546
2022	0	0	0	1,879	16	0	1,895	422	0	791	1,213	681	-1,260	-1,297
2023	0	0	0	2,255	25	3	2,278	557	0	580	1,136	1,142	-118	-919
2024	0	0	0	2,368	13	4	2,377	317	0	364	680	1,697	1,578	-408
2025	0	0	0	2,456	11	0	2,466	261	0	335	596	1,870	3,449	105
2026	0	0	0	2,557	9	5	2,560	271	0	353	624	1,936	5,385	587
2027	0	0	0	2,723	9	21	2,710	476	0	483	960	1,751	7,136	984
2028	0	0	0	2,868	5	4	2,870	428	0	457	885	1,985	9,121	1,392
2029	0	0	0	2,950	4	23	2,932	413	0	466	879	2,053	11,173	1,776
2030	0	0	0	2,870	7	23	2,854	419	0	471	890	1,964	13,137	2,110
2031	0	0	0	2,790	10	24	2,776	336	0	409	746	2,030	15,167	2,424
2032	0	0	0	2,957	9	14	2,952	413	0	461	874	2,077	17,245	2,717
2033	0	0	0	3,096	7	37	3,065	453	0	497	950	2,116	19,360	2,987
2034	0	0	0	3,153	6	48	3,112	435	0	483	918	2,194	21,554	3,242
2035	0	0	0	3,210	6	28	3,188	390	0	467	856	2,332	23,886	3,488
2036	0	0	0	3,206	12	21	3,197	588	0	594	1,181	2,016	25,902	3,682
2037	0	0	0	3,124	11	24	3,111	357	0	449	806	2,305	28,207	3,883
2038	0	0	0	3,332	12	45	3,299	559	0	585	1,145	2,155	30,362	4,054
2039	0	0	0	3,262	14	38	3,238	497	0	548	1,045	2,192	32,554	4,212
2040	0	0	0	3,418	15	35	3,397	687	0	685	1,373	2,025	34,579	4,345
2041	0	0	0	3,366	17	34	3,349	630	0	661	1,291	2,058	36,637	4,468
2042	0	0	0	3,295	22	30	3,287	690	0	706	1,397	1,890	38,527	4,570
2043	0	0	0	3,409	20	37	3,392	640	0	689	1,329	2,063	40,590	4,672
2044	0	0	0	3,549	19	41	3,528	709	0	741	1,451	2,077	42,667	4,765
2045	0	0	0	3,589	20	39	3,570	689	0	724	1,413	2,157	44,824	4,853
2046	0	0	0	3,813	17	33	3,797	751	0	784	1,536	2,262	47,085	4,937
2047	0	0	0	3,896	17	50	3,863	719	0	770	1,490	2,374	49,459	5,016
2048	0	0	0	4,013	17	32	3,998	770	0	815	1,586	2,413	51,872	5,090
2049	0	0	0	3,975	19	49	3,945	659	0	745	1,404	2,541	54,413	5,161
2050	0	0	0	3,863	23	43	3,843	541	0	662	1,203	2,640	57,053	5,228
2051	0	0	0	3,680	14	62	3,632	426	0	580	1,006	2,626	59,679	5,288
2052	0	0	0	3,291	25	53	3,262	246	0	451	698	2,564	62,243	5,342
2053	0	0	0	2,847	25	61	2,810	207	0	407	614	2,196	64,439	5,383
2054	0	0	0	2,308	13	55	2,266	147	0	331	478	1,788	66,227	5,414
2055	0	0	0	1,655	8	64	1,600	99	0	268	368	1,232	67,459	5,434
2056	0	0	0	1,152	0	61	1,091	25	0	155	179	912	68,370	5,447
2057	0	0	0	663	0	165	497	17	0	103	119	378	68,748	5,452
2058	0	0	0	330	0	37	293	11	0	57	67	226	68,974	5,454
2059	0	0	0	101	0	191	-90	0	0	22	22	-112	68,862	5,453
Tot.	**0**	**0**	**0**	**112,614**	**533**	**1,534**	**111,613**	**17,787**	**0**	**24,964**	**42,751**	**68,862**	**68,862**	**5,453**
Disc	0	0	0	13,235	78	75	13,238	2,524	0	5,261	7,785	5,453	5,453	5,453

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	2,148,893	2,148,893	0	2,148,893	1,689,146	1.000	2,148,893	100	48.1	999.9	26.3
Total: Oil Eq.	Mboe	2,148,893	2,148,893	0	2,148,893	1,689,146	1.000	2,148,893	100	48.1	999.9	26.3

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169,475	100	20,146	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169,475	100	20,146	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	100.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	21.8857
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	112,614	111,613	42,751	68,862	32.05
5.0	33,630	33,510	15,522	17,988	8.37
8.0	18,681	18,660	9,945	8,715	4.06
10.0	13,235	13,238	7,785	5,453	2.54
12.0	9,681	9,696	6,297	3,399	1.58
15.0	6,367	6,387	4,804	1,583	0.74
20.0	3,510	3,530	3,344	185	0.09

Evaluator: Bennett, Caralyn P.
Run Date: December 13, 2011 13:27:41

APPENDIX I

REGION ECONOMIC SUMMARIES

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Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **Legend Lake**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP
MARKETABLE RESERVES		
Heavy Oil (Mbbl)		
Gross Lease	91,056	124,306
Total Company Interest	91,056	124,306
Net After Royalty	77,670	102,760
Oil Equivalent (Mbbl)		
Gross Lease	91,056	124,306
Total Company Interest	91,056	124,306
Net After Royalty	77,670	102,760
BEFORE TAX PRESENT VALUE (MM$)		
0%	2,061	3,635
5%	663	1,012
8%	310	473
10%	166	271
12%	66	139
15%	-30	16
20%	-110	-84
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)		
2011 (1 Months)	0	0
2012	-2,856	-2,856
2013	-37,891	-37,891
2014	-194,408	-194,408
2015	-259,870	-259,870
2016	-62,096	-25,709

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 13:27:37

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **Legend Lake**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources	2P + Best Estimate Contingent Resources	3P + High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (Mbbl)					
Gross Lease	255,186	448,534	673,285	539,590	797,591
Total Company Interest	255,186	448,534	673,285	539,590	797,591
Net After Royalty	212,162	366,327	530,151	443,998	632,910
Oil Equivalent (Mbbl)					
Gross Lease	255,186	448,534	673,285	539,590	797,591
Total Company Interest	255,186	448,534	673,285	539,590	797,591
Net After Royalty	212,162	366,327	530,151	443,998	632,910
BEFORE TAX PRESENT VALUE (MM$)					
0%	5,560	11,479	20,449	13,540	24,084
5%	1,752	3,078	5,634	3,741	6,645
8%	838	1,464	2,810	1,773	3,283
10%	477	891	1,801	1,057	2,072
12%	234	532	1,160	599	1,299
15%	8	222	593	192	609
20%	-171	-3	159	-113	75
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)					
2011 (1 Months)	0	0	0	0	0
2012	-2,856	-1,224	-2,040	-4,080	-4,896
2013	-38,308	-1,665	-2,497	-39,556	-40,388
2014	-197,379	-4,245	-5,094	-198,653	-199,502
2015	-262,901	-4,330	-5,196	-264,200	-265,066
2016	-180,503	-80,296	-104,065	-142,393	-129,774

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 13:27:40

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **SW Ells**

Resource Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Resources and Values

	Best Estimate Contingent Resources	High Estimate Contingent Resources
MARKETABLE RESOURCES		
Heavy Oil (Mbbl)		
Gross Lease	37,098	131,100
Total Company Interest	37,098	131,100
Net After Royalty	32,112	108,502
Oil Equivalent (Mbbl)		
Gross Lease	37,098	131,100
Total Company Interest	37,098	131,100
Net After Royalty	32,112	108,502
BEFORE TAX PRESENT VALUE (MM$)		
0%	631	3,309
5%	115	710
8%	25	270
10%	-4	128
12%	-19	45
15%	-29	-18
20%	-31	-51
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)		
2011 (1 Months)	0.0	0.0
2012	0.0	0.0
2013	0.0	0.0
2014	0.0	0.0
2015	0.0	0.0
2016	0.0	0.0

BOE Factors: HVY OIL 1.0 COND 1.0 RES GAS 6.0 SLN GAS 6.0 PROPANE 1.0 BUTANE 1.0 ETHANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 13:27:40

1121333 Class (CR2,CR3), GLJ (2011-10), psum February 07, 2012 14:07:14

GLJ Petroleum Consultants

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **West Ells Total**
SAGD PROJECT

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP
MARKETABLE RESERVES		
Heavy Oil (Mbbl)		
Gross Lease	158,483	208,865
Total Company Interest	158,483	208,865
Net After Royalty	128,602	164,552
Oil Equivalent (Mbbl)		
Gross Lease	158,483	208,865
Total Company Interest	158,483	208,865
Net After Royalty	128,602	164,552
BEFORE TAX PRESENT VALUE (MM$)		
0%	4,862	6,650
5%	1,279	1,978
8%	639	1,054
10%	407	706
12%	252	472
15%	103	245
20%	-35	37
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)		
2011 (1 Months)	-51,600	-51,600
2012	-212,484	-212,484
2013	-187,149	-169,630
2014	60,075	54,796
2015	127,908	83,857
2016	107,883	-571

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 12:00:35

Company: **Sunshine Oilsands Ltd.**
Property: **Ells/Legend Lake**
Description: **West Ells Total**
SAGD PROJECT

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources	2P + Best Estimate Contingent Resources	3P + High Estimate Contingent Resources
MARKETABLE RESERVES					
Heavy Oil (Mbbl)					
Gross Lease	401,492	745,285	1,011,337	903,768	1,220,203
Total Company Interest	401,492	745,285	1,011,337	903,768	1,220,203
Net After Royalty	330,005	599,968	783,182	728,570	947,734
Oil Equivalent (Mbbl)					
Gross Lease	401,492	745,285	1,011,337	903,768	1,220,203
Total Company Interest	401,492	745,285	1,011,337	903,768	1,220,203
Net After Royalty	330,005	599,968	783,182	728,570	947,734
BEFORE TAX PRESENT VALUE (MM$)					
0%	9,587	20,214	34,819	25,076	41,469
5%	3,227	5,837	8,654	7,116	10,632
8%	1,699	2,894	4,108	3,534	5,161
10%	1,082	1,811	2,548	2,218	3,253
12%	656	1,112	1,582	1,364	2,054
15%	239	483	747	586	992
20%	-132	-6	124	-42	161
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)					
2011 (1 Months)	-51,600	0	0	-51,600	-51,600
2012	-217,415	-6,420	-6,420	-218,904	-218,904
2013	-209,225	-6,166	-6,166	-193,315	-175,796
2014	-47,372	-103,160	-91,189	-43,085	-36,394
2015	-210,184	-321,057	-255,744	-193,150	-171,887
2016	-905,143	-800,529	-583,643	-692,646	-584,214

BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 13, 2011 12:00:36

SUNSHINE OILSANDS LTD.

THICKWOOD

EFFECTIVE 30 NOVEMBER 2011

Prepared by
Christina Mielke, P. Eng.

The analysis of this property as reported herein was conducted within the context of an evaluation of a distinct group of properties in aggregate. Extraction and use of this analysis outside this context may not be appropriate without supplementary due diligence.

THICKWOOD

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Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Reserves and Values

	Total Proved Plus Probable	Total PPP	Low Estimate Contingent Resources	Best Estimate Contingent Resources	High Estimate Contingent Resources	2P + Best Estimate Contingent Resources	3P + High Estimate Contingent Resources
MARKETABLE RESERVES							
Heavy Oil (Mbbl)							
Gross Lease	164,317	218,623	257,668	324,582	418,853	488,899	637,476
Total Company Interest	164,317	218,623	257,668	324,582	418,853	488,899	637,476
Net After Royalty	135,100	175,867	220,813	273,624	343,642	408,724	519,508
Oil Equivalent (Mbbl)							
Gross Lease	164,317	218,623	257,668	324,582	418,853	488,899	637,476
Total Company Interest	164,317	218,623	257,668	324,582	418,853	488,899	637,476
Net After Royalty	135,100	175,867	220,813	273,624	343,642	408,724	519,508
BEFORE TAX PRESENT VALUE (MM$)							
0%	4,506	6,396	4,559	5,967	9,749	10,473	16,145
5%	1,006	1,581	1,136	1,948	2,982	2,954	4,563
8%	421	709	360	916	1,463	1,338	2,172
10%	218	399	65	513	890	731	1,289
12%	90	199	-127	247	518	337	718
15%	-27	19	-297	8	186	-18	205
20%	-121	-126	-415	-166	-63	-287	-189
FIRST 6 YEARS BEFORE TAX CASH FLOW (M$)							
2011 (1 Months)	0	0	0	0	0	0	0
2012	-28,458	-28,866	-32,538	-5,712	-5,712	-34,170	-34,578
2013	-82,400	-82,816	-86,561	-5,826	-5,826	-88,226	-88,642
2014	-251,294	-251,719	-255,539	-5,943	-5,943	-257,237	-257,661
2015	-208,409	-252,239	-351,578	-128,685	-96,488	-337,094	-348,727
2016	46,394	-63,840	-329,690	-317,547	-234,783	-271,152	-298,623

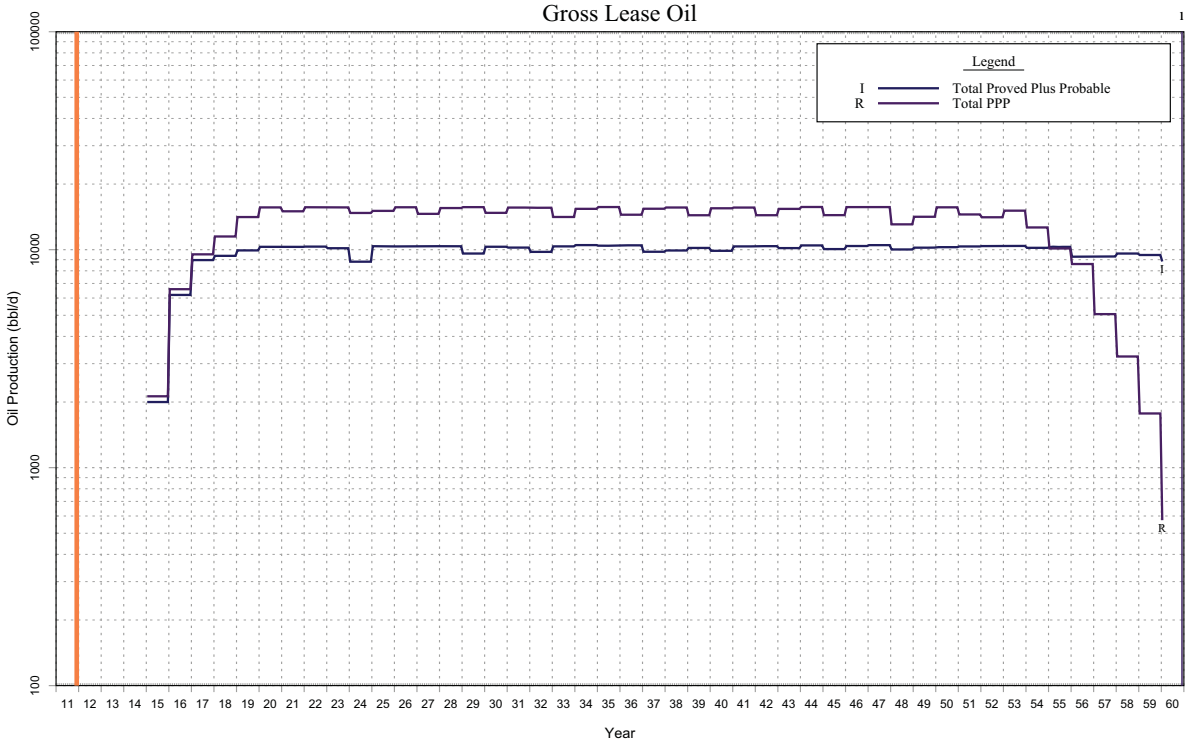
BOE Factors: HVY OIL 1.0 RES GAS 6.0 PROPANE 1.0 ETHANE 1.0
COND 1.0 SLN GAS 6.0 BUTANE 1.0 SULPHUR 0.0

Run Date: December 15, 2011 15:53:27

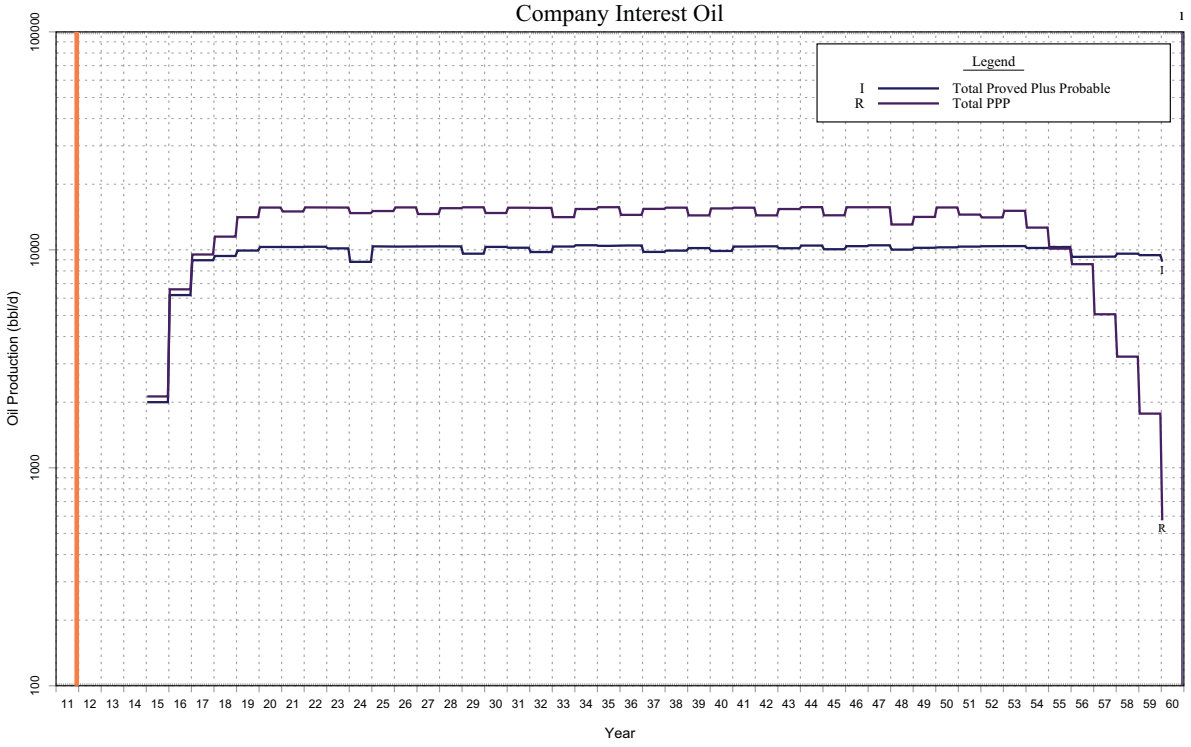
Forecast Production

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Gross Lease Oil



Company Interest Oil



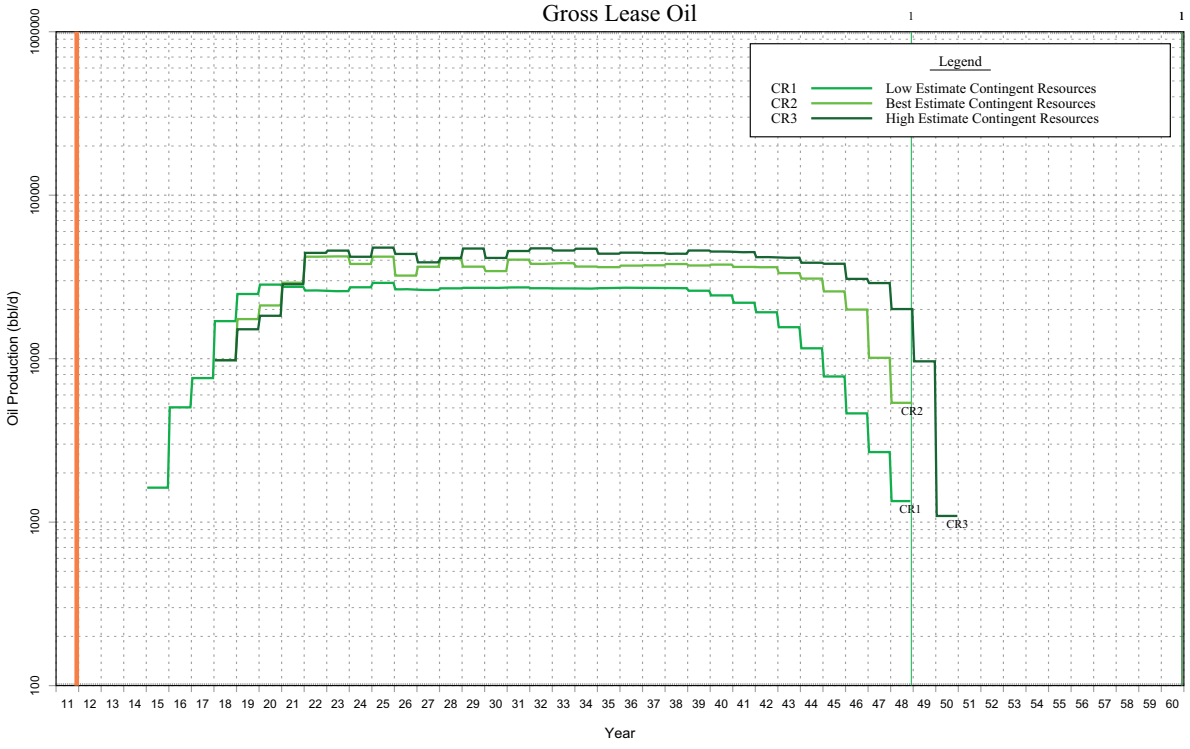
*Note: Historical company interest production is based on current interests in the evaluated reserves entities applied to reported actual gross lease production. Consequently, company actuals may differ from the history shown due to changes in ownership.

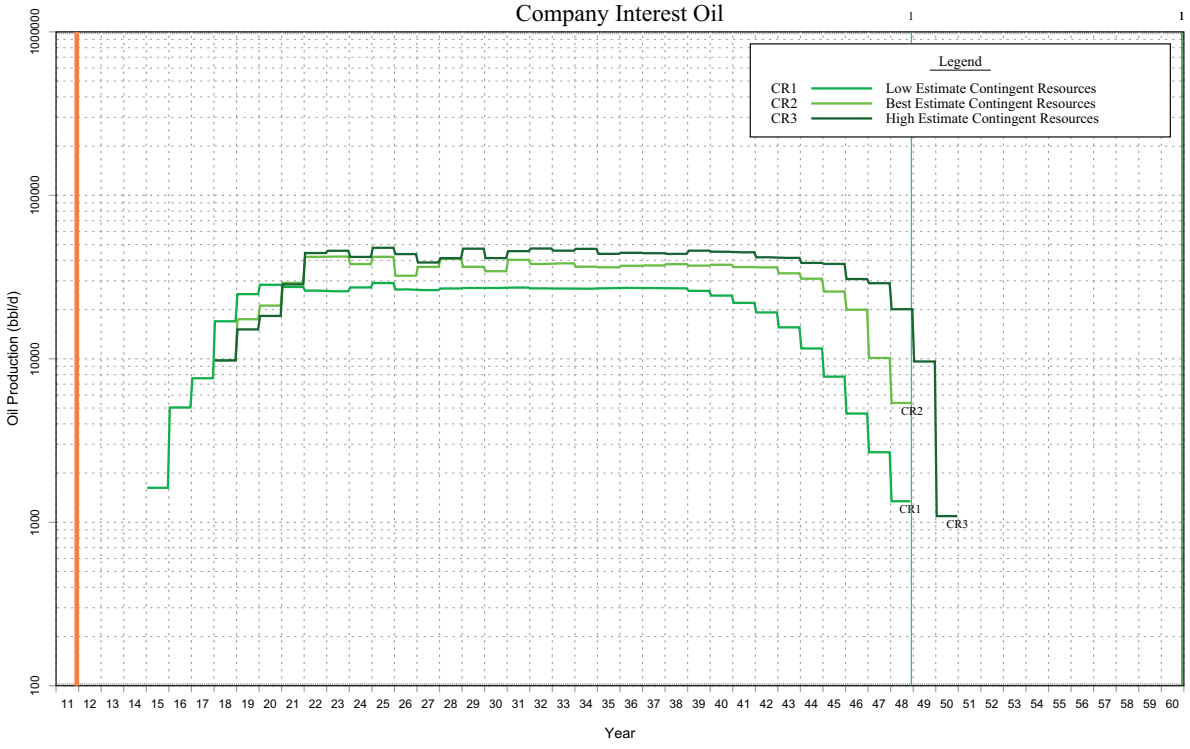
Gross Lease Oil
1121333 / Feb 07, 2012

Forecast Production

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**

Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**





*Note: Historical company interest production is based on current interests in the evaluated reserves entities applied to reported actual gross lease production. Consequently, company actuals may differ from the history shown due to changes in ownership.

Gross Lease Oil
1121333 / Feb 07, 2012

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Reserves and Present Value Summary

Entity Description	Gross Lease Reserves				Company Interest Reserves				Net Interest Reserves				Before Income Tax Discounted Present Value (MM$)						
	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	Gas Bcf	Oil MMbbl	NGL MMbbl	Sulphur Mlt	0%	5%	8%	10%	12%	15%	20%
Total Proved Plus Probable																			
Total Project	0.0	164.32	0.00	0	0.0	164.32	0.00	0	0.0	135.10	0.00	0	4,506	1,006	421	218	90	-27	-121
Total: Total Proved Plus Probable	**0.0**	**164.32**	**0.00**	**0**	**0.0**	**164.32**	**0.00**	**0**	**0.0**	**135.10**	**0.00**	**0**	**4,506**	**1,006**	**421**	**218**	**90**	**-27**	**-121**
Total PPP																			
Total Project	0.0	218.62	0.00	0	0.0	218.62	0.00	0	0.0	175.87	0.00	0	6,396	1,581	709	399	199	19	-126
Total: Total PPP	**0.0**	**218.62**	**0.00**	**0**	**0.0**	**218.62**	**0.00**	**0**	**0.0**	**175.87**	**0.00**	**0**	**6,396**	**1,581**	**709**	**399**	**199**	**19**	**-126**
Low Estimate Contingent Resources																			
Total Project	0.0	257.67	0.00	0	0.0	257.67	0.00	0	0.0	220.81	0.00	0	4,559	1,136	360	65	-127	-297	-415
Total: Low Estimate Contingent Resources	**0.0**	**257.67**	**0.00**	**0**	**0.0**	**257.67**	**0.00**	**0**	**0.0**	**220.81**	**0.00**	**0**	**4,559**	**1,136**	**360**	**65**	**-127**	**-297**	**-415**
Best Estimate Contingent Resources																			
Total Project	0.0	324.58	0.00	0	0.0	324.58	0.00	0	0.0	273.62	0.00	0	5,967	1,948	916	513	247	8	-166
Total: Best Estimate Contingent Resources	**0.0**	**324.58**	**0.00**	**0**	**0.0**	**324.58**	**0.00**	**0**	**0.0**	**273.62**	**0.00**	**0**	**5,967**	**1,948**	**916**	**513**	**247**	**8**	**-166**
High Estimate Contingent Resources																			
Total Project	0.0	418.85	0.00	0	0.0	418.85	0.00	0	0.0	343.64	0.00	0	9,749	2,982	1,463	890	518	186	-63
Total: High Estimate Contingent Resources	**0.0**	**418.85**	**0.00**	**0**	**0.0**	**418.85**	**0.00**	**0**	**0.0**	**343.64**	**0.00**	**0**	**9,749**	**2,982**	**1,463**	**890**	**518**	**186**	**-63**
2P + Best Estimate Contingent Resources																			
Total Project	0.0	488.90	0.00	0	0.0	488.90	0.00	0	0.0	408.72	0.00	0	10,473	2,954	1,338	731	337	-18	-287
Total: 2P + Best Estimate Contingent Resources	**0.0**	**488.90**	**0.00**	**0**	**0.0**	**488.90**	**0.00**	**0**	**0.0**	**408.72**	**0.00**	**0**	**10,473**	**2,954**	**1,338**	**731**	**337**	**-18**	**-287**
3P + High Estimate Contingent Resources																			
Total Project	0.0	637.48	0.00	0	0.0	637.48	0.00	0	0.0	519.51	0.00	0	16,145	4,563	2,172	1,289	718	205	-189
Total: 3P + High Estimate Contingent Resources	**0.0**	**637.48**	**0.00**	**0**	**0.0**	**637.48**	**0.00**	**0**	**0.0**	**519.51**	**0.00**	**0**	**16,145**	**4,563**	**2,172**	**1,289**	**718**	**205**	**-189**

GENERAL

Sunshine Oilsands Ltd.'s (the Company) Thickwood property is located in Townships 090 and 091, Range 18 W4M, approximately 70 miles west of Fort McMurray, Alberta, at the edge of the Athabasca Bitumen deposit, as illustrated on Map 1. The Company is currently contemplating Steam Assisted Gravity Drainage (SAGD) as the target recovery process to develop the lease.

In November 2011, the Company filed an application for a 10,000 bopd commercial scale project for Thickwood utilizing the SAGD process. Current estimates are for the project to be operational in the third quarter of 2015.

A breakdown of original bitumen-in-place (OBIP) and resources assignments is provided in Table 1. Petroleum Resource Management System (PRMS) criteria were used in assessing the resources categories. We believe the resource volumes to be economic to develop with reclassification of these volumes to reserves, contingent upon further reservoir studies, delineation drilling, facility design, preparation of firm development plans, regulatory applications, and company approvals. There is no certainty that it will be commercially viable to produce any portion of the contingent resources.

GEOLOGY

The Company has targeted bitumen saturated reservoirs within the Lower Cretaceous McMurray Formation and the overlying Wabiskaw Member of the Clearwater Formation in the Thickwood area.

The McMurray and Wabiskaw overlay the pre-Cretaceous unconformity surface. Devonian aged shales and carbonates that underlie the unconformity have been erosionally sculpted resulting in the formation of local topographic highs separated by erosional valleys. Relief on the Devonian subcrop exerted considerable control on depositional patterns in the Lower Cretaceous. This relief is represented by an isopach map from a shale marker in the Clearwater Formation to the Devonian surface (Map 2).

The McMurray and Wabiskaw formed in an overall transgressive environment as deposition began within the valleys and later over the highs on the Devonian surface. In the Thickwood area, the McMurray Formation was confined to topographic lows and deposited in an estuarine channel environment. The overlying Wabiskaw reservoir sandstones formed in several pulses of a marine to marginal-marine environment with the deposition of nearshore to deltaic sandstones. Marine mudstone beds separate the nearshore sandstones into separate reservoirs. It is believed that the Wabiskaw reservoirs in the Thickwood area are Wabiskaw A, C and D in age. Net continuous bitumen pay for these reservoirs is shown on Maps 3, 4 and 5. Map 7 shows the combined pay for the Wabiskaw C and D sandstones as well as any stray sands in the Lower Wabiskaw. Deposition of the Wabiskaw in a marginal marine environment makes the reservoir easier to predict and to map than the McMurray estuarine channel sandstones.

Gas caps and 'lean' or 'flushed zones' are also commonly associated with Wabiskaw, and to a lesser extent, McMurray bitumen reservoirs in this area. These are zones of low oil saturation overlying, and in communication with, the SAGD reservoir. These intervals will receive steam and heat from the steam chamber but contribute limited amounts of bitumen production. Gas caps formed on structural highs prior to or coeval with biodegradation and immobilization of the Wabiskaw-McMurray oil. Later structural changes occurred associated with the Larimide orogeny and the dissolution of underlying Devonian Elk Point salts. This occasionally resulted in breaching of the spill point for the gas caps and dissipation of some of the gas. A 'lean' or 'flushed zone' formed where water has migrated in to replace the gas. Oil saturations in the gas caps and flushed zones range up to and over 30 percent. Flushed zones can be differentiated from bottom water by the resistivity of the zones. Bottom water zones have lower oil saturations and

are typically in the 3 to 5 ohm-metre range while the flushed zones may be 10 ohm-metres or more. Gas is abundant in the Thickwood area and lean zones are fairly common. Bottom water has yet to be encountered on the Company's Thickwood lands. The net gas pay (top gas isopach), gas production, and lean zone isopach for the Wabiskaw, along with the McMurray gas isopach are shown on Map 6.

Calcite cemented intervals are relatively rare within the Wabiskaw and McMurray sandstones in the Thickwood area. Different theories exist concerning the genesis of these intervals within the marine sandstone section. The first suggests that they are concretions preferentially developed on specific horizons, but local (up to 10's of metres) in extent and not connected. The second theory suggests that genesis of calcite-cemented layers occurred as a 'hardground' in response to a reduction-oxidation front at the sediment-water interface. The 'hardground' develops during a period of non-deposition and can have an areal extent of hundreds of metres or more. It is expected that gas caps would form underneath permeability barriers with a significant areal extent. The impermeable nature of the calcite cemented intervals suggests that dissolution of the calcite during steaming is unlikely.

An average porosity of 31 percent for the Wabiskaw A bitumen reservoir and an average porosity of 29 percent for the Wabiskaw C and D bitumen reservoirs have been calculated from well logs, with an average bulk mass oil of 0.107 for all zones taken from available core data.

RESOURCES

GLJ Petroleum Consultants (GLJ) has prepared estimates of proved plus probable reserves (2P), proved plus probable plus possible reserves (3P), and low, best, and high estimate contingent resources for the Thickwood property. Reserves and resources were assigned using volumetric methods and are summarized in Table 1. The resource estimates were not classified as reserves at this time, pending further reservoir studies, delineation drilling, facility design, preparation of firm development plans, regulatory applications and company approvals.

The 2P and 3P reserves were assigned to portions of the lease within the application project area having a minimum vertical well density of one well per quarter section (160 acre spacing). Best and high estimate contingent resources were assigned to remaining mapped areas of the lease. Low estimate contingent resources were assigned to mapped areas containing at least one well per section. Effective net pay was designated as the vertically contiguous oil pay present that is interpreted to be suitable for the SAGD process

Resources estimates were made assuming development using horizontal well SAGD technology. Evidence of the potential success of such a scheme is based on:

- Simulation work conducted by the Company and other operators.
- Recovery factor algorithm for reservoirs developed by GLJ based on a review of simulation studies conducted by other operators in similar reservoirs.
- Success of the SAGD process in sandstone reservoirs throughout the Athabasca oil sands deposit.

The analytical correlation utilises a volumetric recovery factor incorporating the following sweep efficiencies:

- Displacement efficiency (E_d): This was derived using initial average water saturations of 24, 24 and 27 percent for the Wabiskaw D, Wabiskaw C and Wabiskaw A Formations, respectively, and residual oil saturations of 15 percent for the low and best estimate cases and 10 percent for the high estimate case.
- Gross vertical sweep efficiency (E_v): This is the ratio of the net pay thickness above the producer divided by the total continuous net pay. For this calculation, producer well standoffs of 2.0, 1.5 and 1.0 metres were used in the low, best and high estimate categories, respectively.

- Gross horizontal sweep efficiency (E_h): This is a function of the slope of the bottom of the steam chamber at depletion, inter-well spacing, and net pay thickness above the producer. The slope of the steam chamber at depletion has been estimated at 12 percent. Well spacing is scheduled at 100 metres.
- Continuity efficiency (E_c): This accounts for uneven steam heating along the wellbore, heterogeneities and permeability breaks in the reservoir, and risk due to uncertainties in the process. A factor of 80 percent was used in the best and high estimate cases and 70 percent in the low estimate case.

Resources were calculated on for each legal subdivision (LSD) using the above recovery factor algorithm. An economic threshold of 450 Mstb/well was used for a development scenario of 800 metre wells spaced 100 metres apart, and incorporating 50 metre drainage at each end of the wellbore.

To optimise bitumen recovery, the Company has indicated they plan to drill infill producing wells in between the original SAGD wells in the latter phase of producing life of the original well-pairs. This method of development has been employed successfully in the McMurray reservoir by Cenovus Energy Inc. (Cenovus) in their Foster Creek project. Incremental infill recovery was determined using the same geometric model as described above with 50 metre spacing. The high case incorporates a steam chamber slope reduction of 2 percent over the 100 metre spacing scenario to account for potential slope reduction due to changes in pressure gradients. Infill well development was not included in the low estimate case due to marginal economics.

Recovery factors were ultimately assigned in consideration of technical risk associated with the process. A review of the recovery factors predicted in various laboratory studies and demonstrated at the Underground Test Facility (UTF) suggests 60 to 80 percent recovery. While these recovery factors are somewhat theoretical, they are considered to be optimistic by GLJ and achieved only in the best possible circumstances.

To optimise steam requirements and bitumen recovery, GLJ has scheduled non-condensable gas (NCG) injection. The steam optimisation process was successfully tested in the UTF project and consists of replacing a portion of steam injection with a non-condensable gas, thereby maintaining steam chamber pressure in the latter half of the producing life of the wells and reducing steam fuel-gas requirements. An economical option would be to inject flue gas recovered from the burners of the steam generators, although the potential for alternate non-condensable gases is possible. Non-condensable gas injection is currently being utilised at Cenovus' Foster Creek and Christina Lake projects. MEG Energy Corp. also currently operates a

flue gas injection project at Surmont. Non-condensable injection requirements were forecast at an average of 75 scf/stb throughout the life of each well.

Associated top gas production from the interest lands by other operators is currently 1.5 MMcfd from five wells. Cumulative production to date is approximately 6.5 Bcf. Reservoir simulations incorporating the top gas zone have been conducted by the Company. Results suggest that bitumen plugging at the interface will significantly reduce the steam thief zone effect. As a precaution to ineffective bitumen plug formation, GLJ has scheduled gas zone re-pressurization using non-condensable gas, concurrent with SAGD development. The scheduled non-condensable gas volume of 11 Bcf is equivalent to the estimated volume of gas that will be produced from the existing gas wells on interest land.

The Company completed an extensive program of bitumen evaluation through the drilling of 56 core-holes. These wells completed the exploration of the property with an effective well density of one well per section. As a result, no prospective bitumen resources remain to be discovered within the lands comprising the property.

PRODUCTION AND DEVELOPMENT FORECAST

Production forecasts were determined for each of the average type wells as detailed in Table 2. Peak oil production and minimum steam-oil ratio (SOR) values were selected based on GLJ's knowledge of reservoir simulations including recent work done by the Company, performance of similar existing schemes, and empirical horizontal well production rate calculations adjusted for risk and downtime. Best estimate contingent peak oil production rates are estimated at 325, 350 and 375 bopd per well for the Wabiskaw D, Wabiskaw C and Wabiskaw A Formations, respectively, and 350 and 400 bopd per well for the Wabiskaw D and Wabiskaw A Formations, respectively, in the probable category. First year production rates were estimated at 50 percent of peak rates and second year rates were estimated at 85 percent of peak oil rates. Peak oil production is forecast for year three. Of the total calculated reserves and resources for the 100 metre spacing and 50 metre spacing wells, 80 percent was allocated to the initial wells and 20 percent to the infill wells to account for interference. Infill wells were scheduled to commence production approximately four years after the initial wells at a rate of 40 percent of the initial wells.

Overall 2P reserves plus best estimate contingent resource cumulative SOR's were forecast at an average of 3.6. The depletion strategy modeled in the forecasts reflects heat harvesting with minimal steam injection near the end of producing well life. Potential blow down operations have been modeled using a reduced SOR and added non-condensable gas injection during the final years of production.

Minimal steam will be required for the infill wells as the near wellbore region is preheated by the original steam chamber. For the incremental bitumen volumes, an SOR of 1.0 was assigned to the infill wells in the 2P/best estimate and 3P/high estimate cases. The SOR of 1.0 is based on simulation work with which GLJ is familiar, as well as analogy to the Foster Creek infill well performance with adjustments made for reservoir differences.

Timing and facility sizing for the initial and subsequent phases of the projects are shown in the following table. Detailed forecast development and cost assumptions are provided in Tables 3.1 through 3.5.

Phase Sizing (thousands bopd) and Timing					
	Reserves		Contingent Resources		
	2P	3P	Low	2P + Best	3P + High
2013					
2014					
2015	10	10	10	10	10
2016					
2017					
2018		5	20	20	25
2019					
2020					
2021				20	25
2022					
2023					
Total	10	15	30	50	60

ECONOMIC ANALYSIS

Indicative economic forecasts for the resources categories are presented in the Economic Forecasts section of this report. These economics are scoping in nature, as detailed project designs and cost estimates have not been prepared. Operating cost estimates were therefore based on GLJ's experience with similar projects. The operating cost estimates are $16,000 per well-month, $0.80 per bbl of oil and $0.80 per bbl of steam plus purchased fuel gas. Steam generation and flue injection fuel costs were forecast using the GLJ 01 July 2011 Alberta Spot Plant Gate gas price plus a $0.10/Mcf fee for delivery to the field. A fuel to steam conversion efficiency of 0.40 Mcf/bbl of steam. Fixed field costs were estimated at 5 percent of initial facility capital, except for the first and second years of operation when field costs were increased by 100 and 50 percent, respectively, to reflect start-up operations. Well abandonment costs were included at $250 M/well-pair.

SAGD facility construction costs were estimated at a cost of $7,300/bfpd for an initial 10,000 BOPD facility. The cost for additional phases was reduced in consideration of economies of scale and use of existing infrastructure. Initial facility construction costs were primarily estimated based on analogy to other projects with which GLJ is familiar. The capital estimates for initial well drilling and completion was $3.7 MM/well-pair. This was reduced in later years by 10 percent to reflect drilling experience. Additional capital of $2.8 MM/well-pair is included for pad construction, equipment and piping and $300 M for a metal progressive cavity pump. Infill drilling and surface equipment was estimated at $2,100 M/well. Delineation costs were scheduled assuming 80 acre core hole spacing at a net cost of $400 M/core hole. These costs are GLJ estimates based on our knowledge of other projects.

Maintenance and sustaining capital is included in the evaluation for both facilities and horizontal wells. Facility maintenance costs are included at a yearly rate of 1 percent of initial facility capital. Well sustaining costs are scheduled at $150 M/well-pair per producing year, and are intended to cover occasional workovers including pump repairs.

Crown royalties were calculated using the new Alberta Oil Sands royalty formula. The royalties are calculated based on a cleaned crude bitumen product. Pre-payout, the base rate is 1 percent of gross revenue and increases for every dollar the WTI is priced above $55 per barrel, to a maximum of 9 percent when the WTI is priced at or above $120 per barrel. Post-payout, the base rate is 25 percent of net revenue and increases for every dollar the WTI is priced above $55 per

barrel, to a maximum of 40 percent when the WTI is priced at or above $120 per barrel. A return allowance of 3.6 percent was incorporated.

The bitumen produced from the property was assumed sold into the open market as a diluent-bitumen (dil-bit) blend. Short-term dil-bit transportation requirements were assumed to be met by trucking at a cost of $3.50/stb and long-term by the use of a third party pipeline with a tariff of $1.75/stb. Blending with diluent for transportation by trucking and by pipeline will occur at ratios of approximately 0.3 and 0.429 bbl diluent per bbl of bitumen, respectively. Blending costs assume a long-term diluent market premium, including transportation costs to the field, of $6.00/stb over condensate postings. This blending and transportation, along with a dil-bit quality adjustment, results in net bitumen prices as presented in Table 4.

Other Economic Considerations

This report does not address the following issues:

- Non-reserves well abandonment, wellsite reclamation and facility abandonment/salvage including possible environmental concerns.
- Potential processing income.
- The current condition of field, gathering and processing facilities, i.e. an inspection was not carried out.

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**

Reserve Class: **Proved Plus Probable**
Development Class: **Producing**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Summary of Well Interests and Burdens

Entity Description	Working Interest BPO %	Working Interest APO %	Working Interest Rem PO (000's)	Royalty Interest Type	Royalty Interest BPO %	Royalty Interest APO %	Royalty Interest Rem PO (000's)	Lessor Royalty	Other Royalty Burdens Type	Other Royalty Burdens BPO %	Other Royalty Burdens APO %	Other Royalty Burdens Rem PO (000's)
Thickwood												
Total Project	100.000	-	-		-	-	-	AB		-	-	-

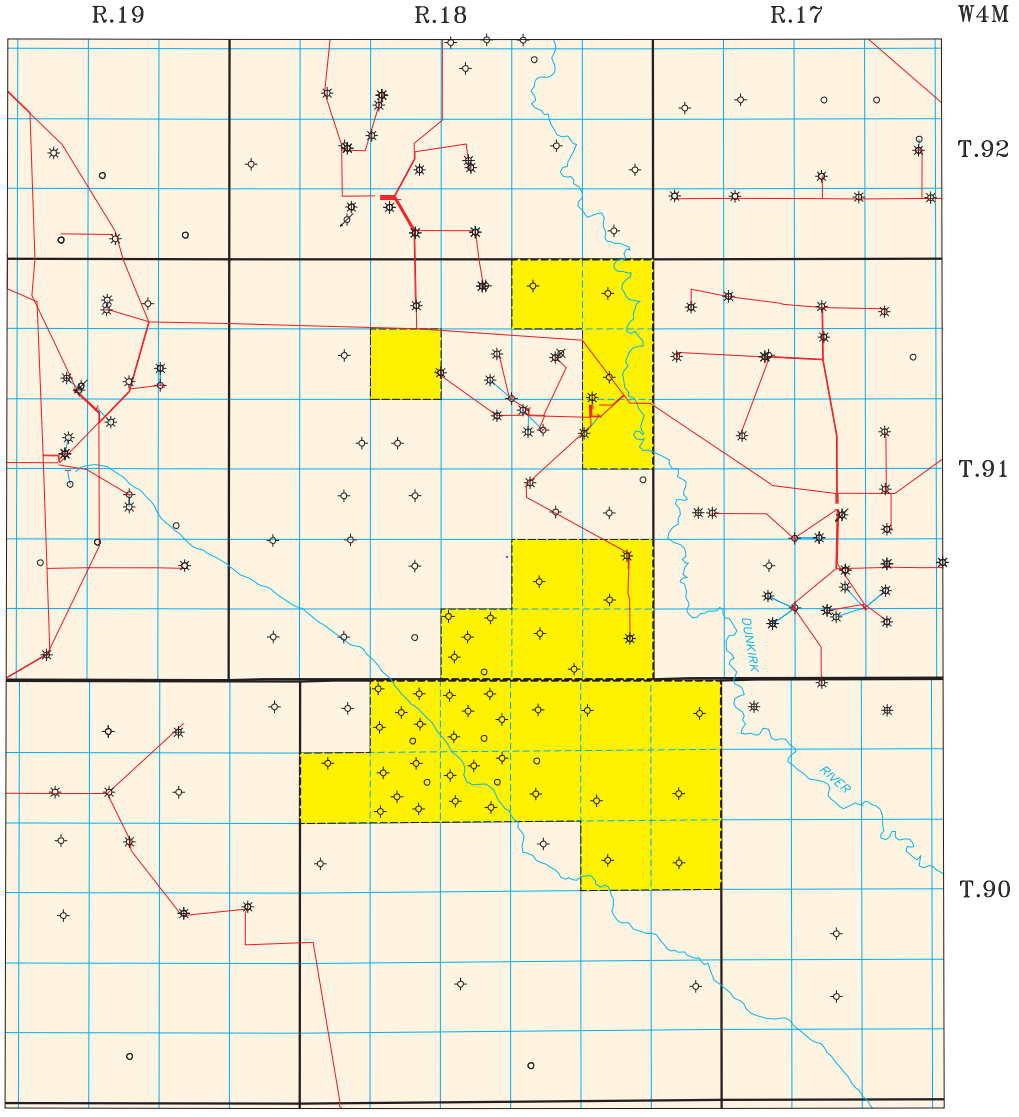
Glossary
AB: Alberta
APO=BPO interests unless otherwise specified

Map 1

Land Map

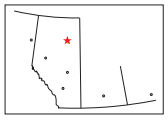
Company: Sunshine Oilsands Ltd.
Property: Thickwood

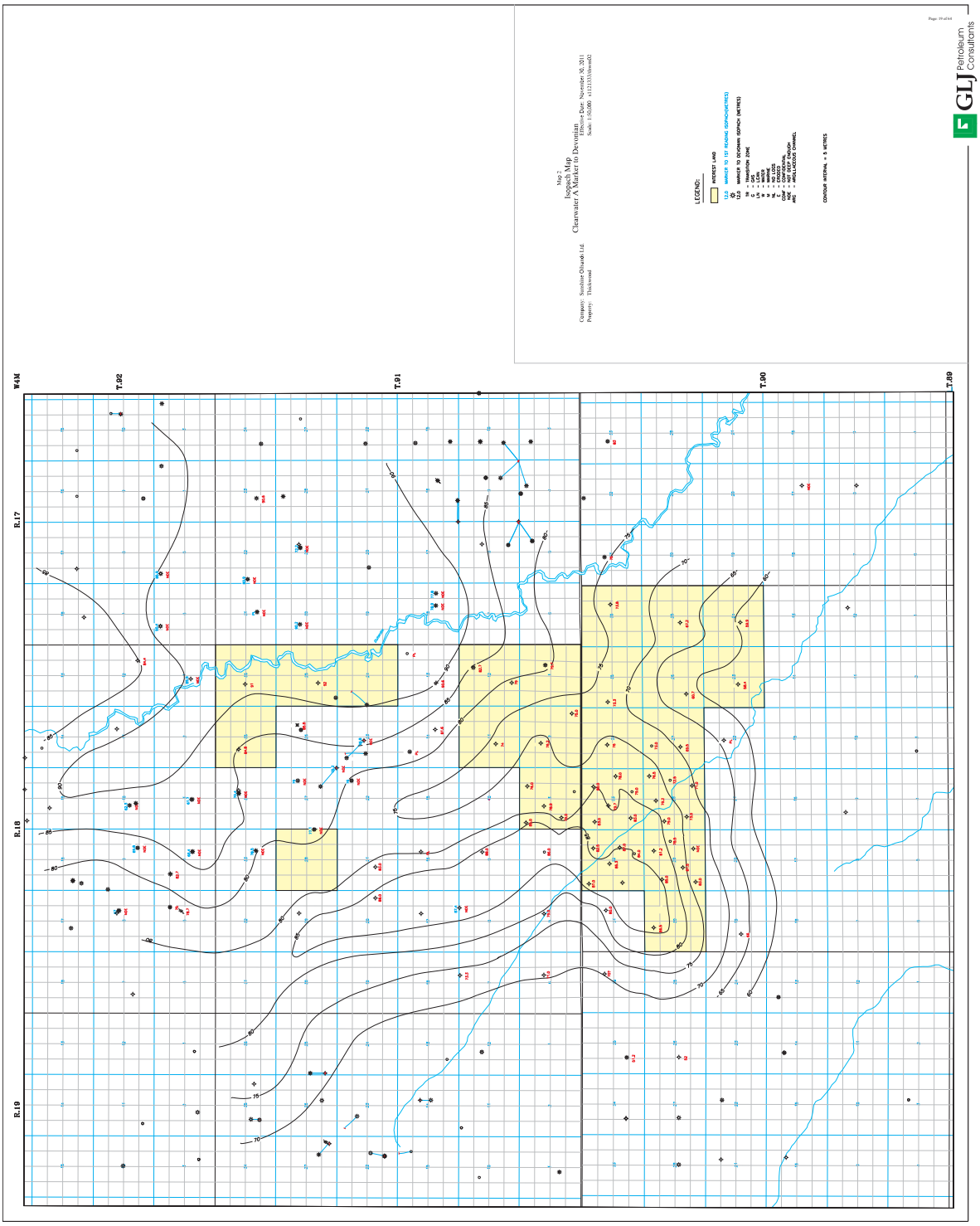
Effective Date: November 30, 2011
Scale: 1:155,000 s1121333/thwm01

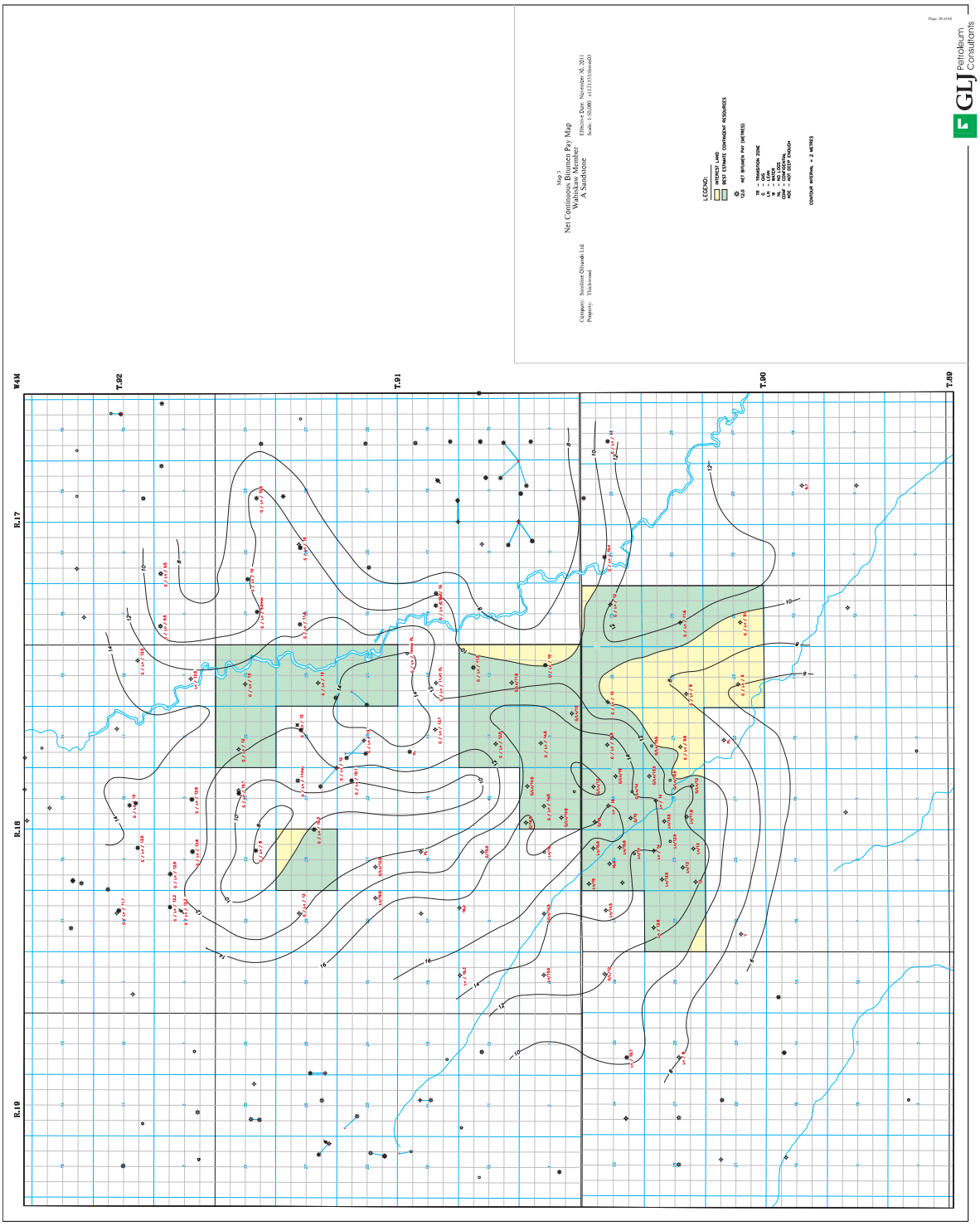


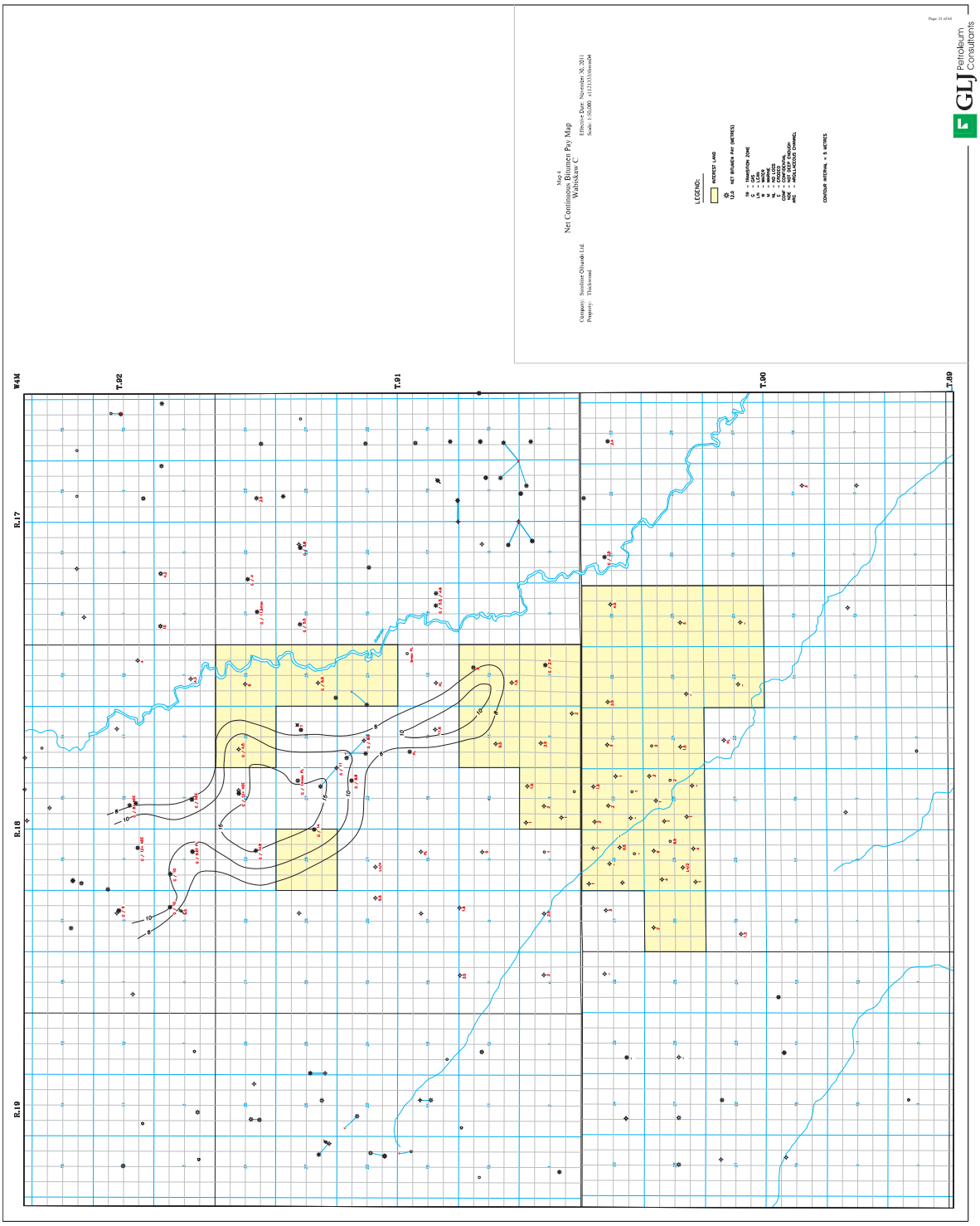
LEGEND:

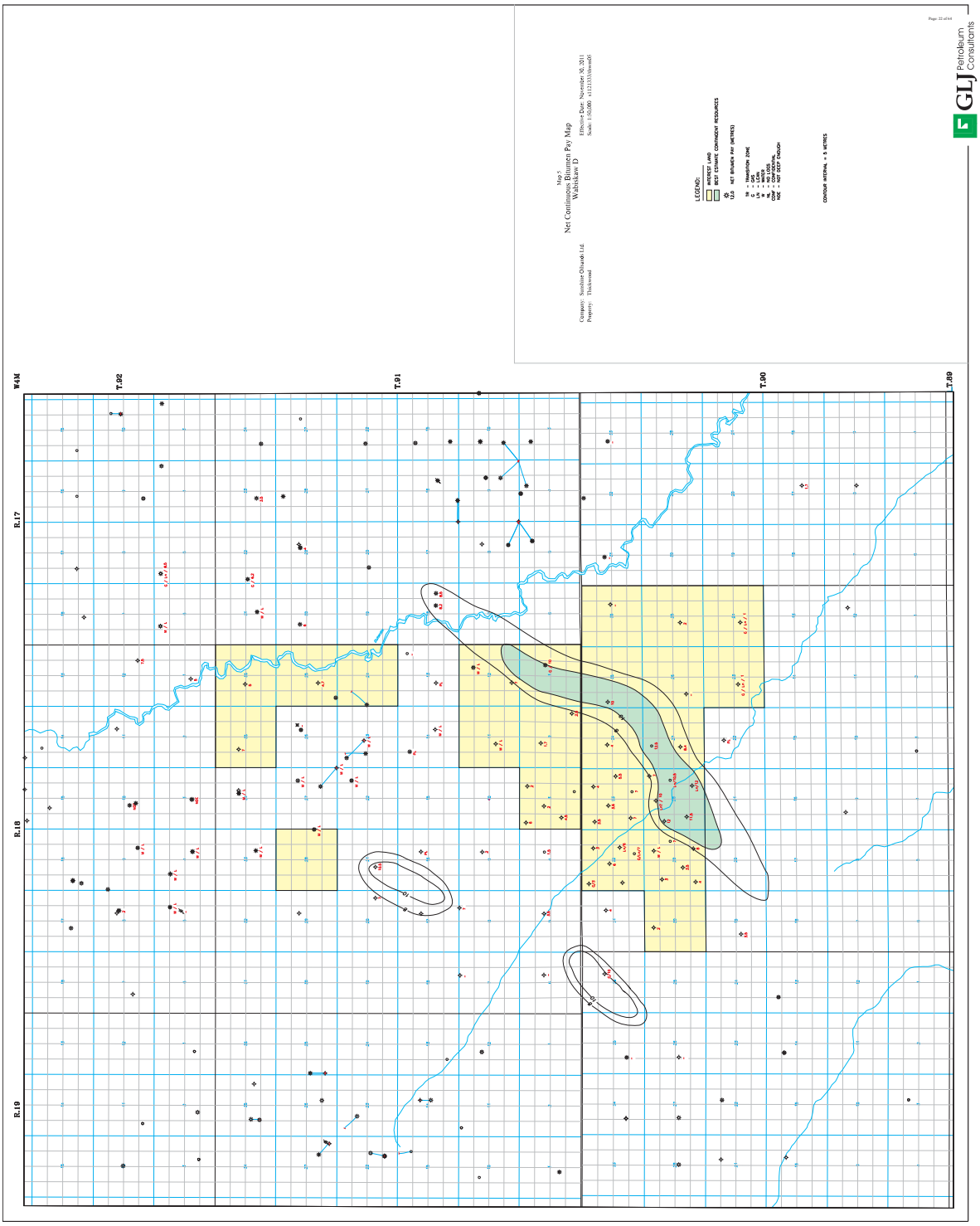
INTEREST LAND

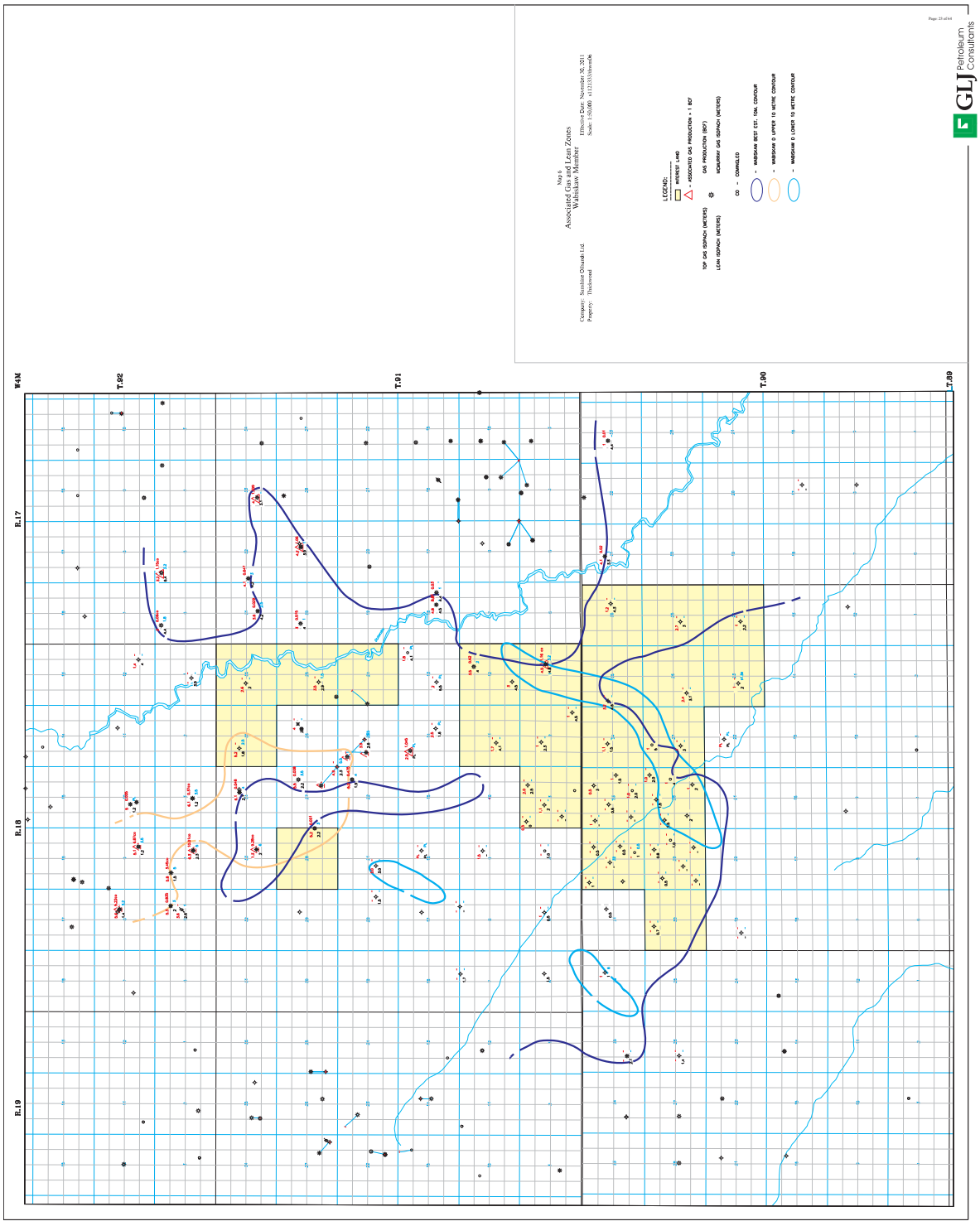



Map 2
Isopach Map
Clearwater A Marker to Devonian
Company: Sunshine Oilsands Ltd.
Property: Thickwood
Effective Date: November 30, 2011
Scale: 1:50,000 = 11.1333 Mm=0.2
LEGEND:
INTEREST LAND
12.0 MARKER TO 1ST ISOPACH (METRES)
12.0 MARKER TO DEVONIAN ISOPACH (METRES)
TH = TRANSITION ZONE
G = GAS
LN = LEAN
W = WATER
NL = NO LOSS
E = ERODED
COM = COMPOUNDED
NDE = NEXT DEEP ENCOUNTERED
ARC = ARCILLACEOUS CHANNEL
CONTOUR INTERVAL = 5 METRES
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19


Map 3
Net Continuous Bitumen Pay Map
Wahiskaw Member
A Sandstone
Company: Sunshine Oilsands Ltd.
Property: Thickwood
Effective Date: November 30, 2011
Scale: 1:50,000 (11/21/11/Mtrm01)
LEGEND:
INTEREST LAND
BEST ESTIMATE CONTINGENT RESOURCES
NET BITUMEN PAY (METRES)
TR - TRANSITION ZONE
G - GAS
LV - LEAN
W - WATER
NL - NO LOSS
CONF - CONFIDENTIAL
NDE - NOT DEEP ENOUGH
CONTOUR INTERVAL = 2 METRES
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19


Map 4
Net Continuous Bitumen Pay Map
Wabiskaw C
Effective Date: November 30, 2011
Scale: 1:50,000 = 11.13 (Minimum)
Company: Sunshine Oilsands Ltd.
Property: Thickwood
LEGEND:
INTEREST LAND
NET BITUMEN PAY (METRES)
TR = TRANSITION ZONE
G = GAS
LIN = LEAN
W = WATER
M = MARINE
NL = NO LOSS
C = CROSSED
COMP = COMPOSITE
NDE = NEW DEEP DIVISION
ARC = ARCHLEAGUE CHANNEL
CONTOUR INTERVAL = 5 METRES
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19


Map 5
Net Continuous Bitumen Pay Map
Wabiskaw D
Effective Date: November 30, 2011
Scale: 1:50,000 x11213\Mmm05
Company: Sunshine Oilsands Ltd.
Property: Thickwood
LEGEND:
INTEREST LAND
BEST ESTIMATE CONTINGENT RESOURCES
12.0 NET BITUMEN PAY (METRES)
TR = TRANSITION ZONE
C = CAS
LN = LEAN
W = WATER
NL = NO LOSS
COMP = COMPRESSIONAL
NDC = NOT DEEP ENOUGH
CONTOUR INTERVAL = 5 METRES
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19


Map 6
Associated Gas and Lean Zones
Wabiskaw Member
Company: Sunshine Oilsands Ltd.
Property: Thickwood
Effective Date: November 30, 2011
Scale: 1:50,000 x11:13:33/Mmarsh6
LEGEND:
INTEREST LAND
ASSOCIATED GAS PRODUCTION + 1 BCF
GAS PRODUCTION (BCF)
TOP GAS GEOPACH (METERS)
LEAN GEOPACH (METERS)
MEMURRAY GAS GEOPACH (METERS)
CO - COMINGLED
WABISKAW BEST EST. TOM. CONTOUR
WABISKAW 0 UPPER 10 METRE CONTOUR
WABISKAW 0 LOWER 10 METRE CONTOUR
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19

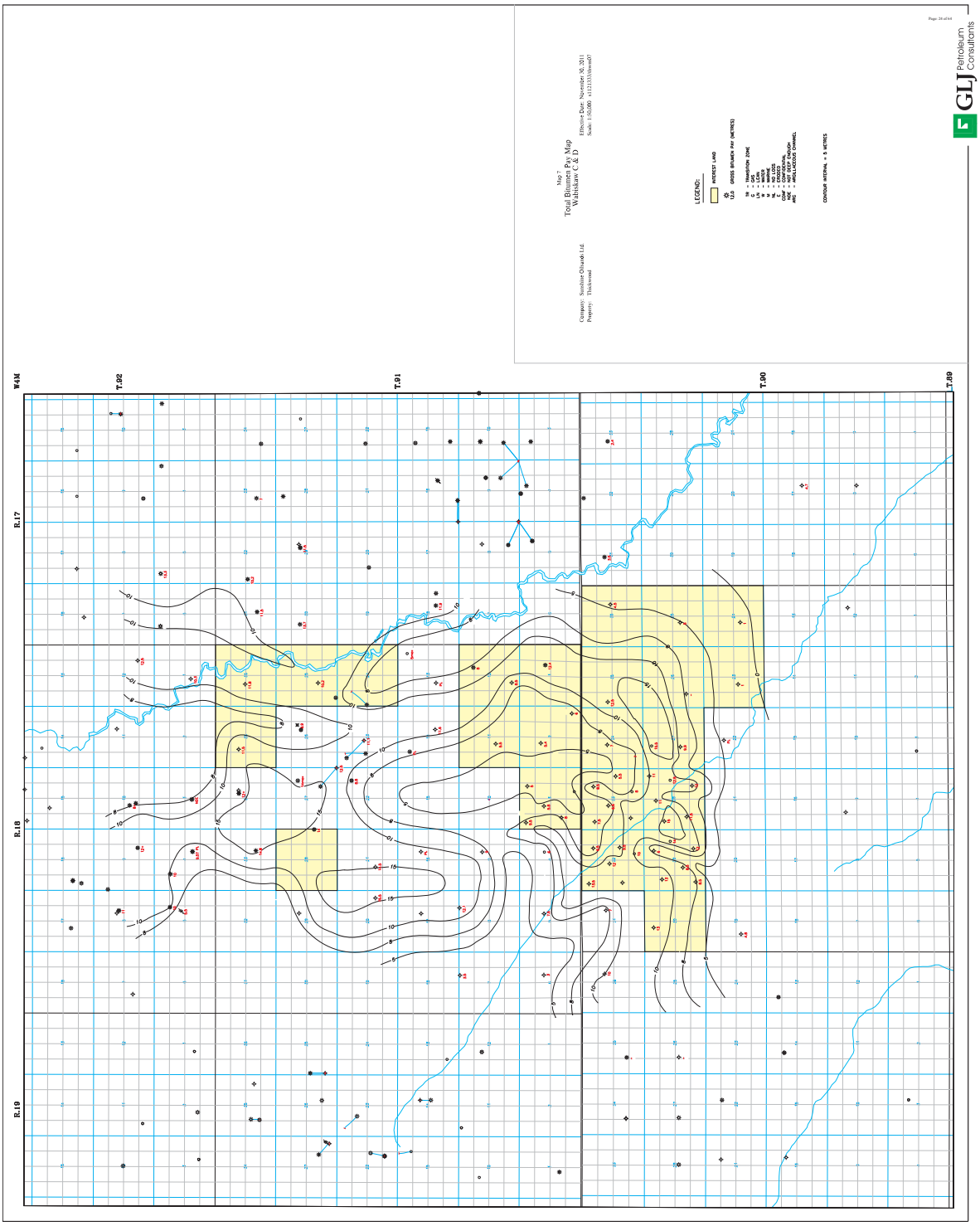

Map 7
Total Bitumen Pay Map
Wabiskaw C & D
Effective Date: November 30, 2011
Scale: 1:50,000 x 11"(330.0mm)
Company: Sunshine Oilsands Ltd.
Property: Thickwood
LEGEND:
PATENTED LAND
GROSS BITUMEN PAY (METRES)
CONTOUR INTERVAL = 5 METRES
GLJ Petroleum Consultants
W4M
T.92
T.91
T.90
T.89
R.17
R.18
R.19

Table 1
Volumetric Parameters Summary
Thickwood

Classification	Area (acres)	Net Pay (m)	Porosity %	Sw %	FVF	Exploitable OBIP (mstb)	Recovery Factor	Original Recoverable Reserves & Resources (mstb)	Working Interest	Company Reserves & Resources (mstb)
Probable Undeveloped Reserves										
Wabiskaw D Lower	188	11.1	29.0%	24%	1.005	11,683	46.9%	5,477	100%	5,477
Wabiskaw A	3,957	14.0	31.0%	27%	1.005	317,938	50.0%	158,841	100%	158,841
Total Best Estimate Contingent	**4,145**	**13.9**	**30.9%**	**27%**	**1.005**	**329,621**	**49.6%**	**164,317**	**100%**	**164,317**
Probable Plus Possible Undeveloped Reserves										
Wabiskaw D Lower	809	10.9	29.0%	24%	1.005	49,058	55.1%	27,027	100%	27,027
Wabiskaw A	4,189	13.8	31.0%	27%	1.005	331,526	57.8%	191,596	100%	191,596
Total High Estimate Contingent	**4,997**	**13.3**	**30.7%**	**27%**	**1.005**	**380,584**	**57.4%**	**218,623**	**100%**	**218,623**
Low Estimate Resources										
Wabiskaw D	165	11.8	29.0%	24%	1.005	10,832	32.4%	3,506	100%	3,506
Wabiskaw C	407	13.3	29.0%	24%	1.005	30,088	35.0%	10,527	100%	10,527
Wabiskaw A	9,153	13.4	31.0%	27%	1.005	700,350	34.8%	243,635	100%	243,635
Total Low Estimate Contingent	**9,724**	**13.3**	**30.9%**	**27%**	**1.005**	**741,270**	**34.8%**	**257,668**	**100%**	**257,668**
Best Estimate Resources										
Wabiskaw D	1,036	10.8	29.0%	24%	1.005	62,454	46.4%	28,967	100%	28,967
Wabiskaw C	688	12.1	29.0%	24%	1.005	46,656	48.3%	22,555	100%	22,555
Wabiskaw A	7,997	12.4	31.0%	27%	1.005	567,100	48.2%	273,060	100%	273,060
Total Best Estimate Contingent	**9,721**	**12.2**	**30.7%**	**27%**	**1.005**	**676,211**	**48.0%**	**324,582**	**100%**	**324,582**
High Estimate Resources										
Wabiskaw D	1,247	10.1	29.0%	24%	1.005	70,488	54.0%	38,091	100%	38,091
Wabiskaw C	930	11.5	29.0%	24%	1.005	59,648	55.9%	33,325	100%	33,325
Wabiskaw A	8,942	12.1	31.0%	27%	1.005	618,546	56.2%	347,438	100%	347,438
Total High Estimate Contingent	**11,119**	**11.8**	**30.6%**	**26%**	**1.005**	**748,682**	**55.9%**	**418,853**	**100%**	**418,853**
2P Reserves plus Best Estimate Contingent Resources										
Wabiskaw D	1,224	10.9	29.0%	24%	1.005	74,138	46.5%	34,444	100%	34,444
Wabiskaw C	688	12.1	29.0%	24%	1.005	46,656	48.3%	22,555	100%	22,555
Wabiskaw A	11,954	12.9	31.0%	27%	1.005	885,038	48.8%	431,900	100%	431,900
Total 2P Reserves plus Best Estimate Contingent	**13,867**	**12.7**	**30.8%**	**27%**	**1.005**	**1,005,832**	**48.6%**	**488,899**	**100%**	**488,899**
3P Reserves plus Hligh Estimate Contingent Resources										
Wabiskaw D	2,056	10.4	29.0%	24%	1.005	119,546	54.5%	65,118	100%	65,118
Wabiskaw C	930	11.5	29.0%	24%	1.005	59,648	55.9%	33,325	100%	33,325
Wabiskaw A	13,131	12.6	31.0%	27%	1.005	950,073	56.7%	539,034	100%	539,034
Total 3P Reserves plus High Estimate Contingent	**16,117**	**12.3**	**30.7%**	**27%**	**1.005**	**1,129,267**	**56.5%**	**637,476**	**100%**	**637,476**

**Economic Cutoff of 450 mstb/well*

Classification	Area (acres)	Net Pay (m)	Porosity %	Sw %	FVF	PIIP (mstb)
Total Petroleum in Place - 0m pay cutoff						
Wabiskaw D	6,532	6.5	29.0%	24.0%	1.005	237,193
Wabiskaw C	4,239	6.8	29.0%	24.0%	1.005	160,537
Wabiskaw A	14,261	12.3	31.0%	27.0%	1.005	1,005,687
Total Wabiskaw	**25,032**	**9.9**	**30.4%**	**26.2%**	**1.005**	**1,403,418**

**The above calculated reserves may not match economic forecasts due to economic limit considerations.*

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw D (WP)
Probable Reserves

Steamflood Recovery	523	MSTB per well
Steamflood Area	652	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	29	Wells
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	175	8.46	8.46	1481	24.7
2	298	4.23	4.23	1259	21.0
3	350	4.23	4.23	1481	24.7
4	274	4.23	4.23	1161	19.4
5	169	4.23	4.23	714	11.9
6	104	2.12	2.12	220	3.7
7	64	2.12	2.12	135	2.3
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	523	4.50	4.5	2355	39

Wabiskaw D (Infills)
Probable Reserves

Steamflood Recovery	131	MSTB per well
Steamflood Area	652	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	29	Wells
Peak Rate per Well	140	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	140	1.00	1.00	140	2.3
2	99	1.00	1.00	99	1.6
3	70	1.00	1.00	70	1.2
4	49	1.00	1.00	49	0.8
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	131	1.00	1.0	131	2

Wabiskaw A (WP)
Probable Reserves

Steamflood Recovery	714	MSTB per well
Steamflood Area	3983	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	14.0	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	179	Wells
Peak Rate per Well	400	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	200	6.91	6.91	1382	23.0
2	340	3.46	3.46	1175	19.6
3	400	3.46	3.46	1382	23.0
4	343	3.46	3.46	1185	19.8
5	252	3.46	3.46	872	14.5
6	186	3.46	3.46	641	10.7
7	136	1.73	1.73	236	3.9
8	100	1.73	1.73	173	2.9
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	714	3.60	3.6	2572	43

Wabiskaw A (Infills)
Probable Reserves

Steamflood Recovery	179	MSTB per well
Steamflood Area	3983	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	14.0	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	179	Wells
Peak Rate per Well	160	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	160	1.00	1.00	160	2.7
2	132	1.00	1.00	132	2.2
3	108	1.00	1.00	108	1.8
4	89	1.00	1.00	89	1.5
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	179	1.00	1.0	179	3

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw D (WP)
Prob+Possible Reserves

Steamflood Recovery	601	MSTB per well
Steamflood Area	809	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.9	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	36	Wells
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	175	7.46	7.46	1306	21.8
2	298	3.73	3.73	1110	18.5
3	350	3.73	3.73	1306	21.8
4	294	3.73	3.73	1097	18.3
5	207	3.73	3.73	773	12.9
6	146	3.73	3.73	545	9.1
7	103	1.87	1.87	192	3.2
8	73	1.87	1.87	136	2.3
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	601	3.93	3.9	2360	39

Wabiskaw D (Infills)
Prob+Possible Reserves

Steamflood Recovery	150	MSTB per well
Steamflood Area	809	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.9	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	36	Wells
Peak Rate per Well	140	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	140	1.00	1.00	140	2.3
2	112	1.00	1.00	112	1.9
3	89	1.00	1.00	89	1.5
4	71	1.00	1.00	71	1.2
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	150	1.00	1.0	150	3

Wabiskaw A (WP)
Prob+Possible Reserves

Steamflood Recovery	815	MSTB per well
Steamflood Area	4189	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	13.8	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	188	Wells
Peak Rate per Well	425	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	213	6.70	6.70	1424	23.7
2	361	3.35	3.35	1211	20.2
3	425	3.35	3.35	1424	23.7
4	370	3.35	3.35	1239	20.7
5	280	3.35	3.35	938	15.6
6	212	3.35	3.35	710	11.8
7	160	3.35	3.35	537	9.0
8	121	1.68	1.68	203	3.4
9	92	1.68	1.68	154	2.6
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	815	3.51	3.5	2862	48

Wabiskaw A (Infills)
Prob+Possible Reserves

Steamflood Recovery	204	MSTB per well
Steamflood Area	4189	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	13.8	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	188	Wells
Peak Rate per Well	170	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	170	1.00	1.00	170	2.8
2	134	1.00	1.00	134	2.2
3	106	1.00	1.00	106	1.8
4	83	1.00	1.00	83	1.4
5	66	1.00	1.00	66	1.1
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	204	1.00	1.0	204	3

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw D
Low Estimate Contingent

Steamflood Recovery	501	MSTB per well
Steamflood Area	165	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.8	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	7	Wells
Peak Rate per Well	300	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	8.77	8.77	1316	21.9
2	255	4.39	4.39	1118	18.6
3	300	4.39	4.39	1316	21.9
4	255	4.39	4.39	1118	18.6
5	184	4.39	4.39	807	13.4
6	133	2.19	2.19	291	4.9
7	96	2.19	2.19	210	3.5
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**501**	**4.50**	**4.5**	**2254**	**38**

Wabiskaw C
Low Estimate Contingent

Steamflood Recovery	585	MSTB per well
Steamflood Area	407	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	13.3	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	18	Wells
Peak Rate per Well	325	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	163	7.89	7.89	1282	21.4
2	276	3.94	3.94	1089	18.2
3	325	3.94	3.94	1282	21.4
4	280	3.94	3.94	1103	18.4
5	207	3.94	3.94	817	13.6
6	154	3.94	3.94	605	10.1
7	114	1.97	1.97	224	3.7
8	84	1.97	1.97	166	2.8
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**585**	**4.10**	**4.1**	**2398**	**40**

Wabiskaw A
Low Estimate Contingent

Steamflood Recovery	591	MSTB per well
Steamflood Area	9153	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	13.4	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	412	Wells
Peak Rate per Well	325	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	163	7.72	7.72	1254	20.9
2	276	3.86	3.86	1066	17.8
3	325	3.86	3.86	1254	20.9
4	281	3.86	3.86	1085	18.1
5	211	3.86	3.86	813	13.5
6	158	3.86	3.86	609	10.1
7	118	1.93	1.93	228	3.8
8	89	1.93	1.93	171	2.8
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**591**	**4.00**	**4.0**	**2365**	**39**

Wabiskaw D (WP)
Best Estimate Contingent

Steamflood Recovery	476	MSTB per well
Steamflood Area	572	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.6	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	26	Wells
Peak Rate per Well	325	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	163	8.18	8.18	1329	22.2
2	276	4.81	4.81	1329	22.2
3	325	4.09	4.09	1329	22.2
4	262	4.09	4.09	1070	17.8
5	169	4.09	4.09	693	11.6
6	110	4.09	4.09	449	7.5
7	0	4.09	4.09	0	0.0
8	0	2.05	2.05	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	**476**	**4.75**	**4.8**	**2263**	**38**

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw D (Infills)
Best Estimate Contingent

Steamflood Recovery	119	MSTB per well
Steamflood Area	572	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.6	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	26	Wells
Peak Rate per Well	130	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	130	1.00	1.00	130	2.2
2	107	1.00	1.00	107	1.8
3	89	1.00	1.00	89	1.5
4	0	1.00	1.00	0	0.0
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	119	1.00	1.0	119	2

Wabiskaw C (WP)
Best Estimate Contingent

Steamflood Recovery	582	MSTB per well
Steamflood Area	688	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	31	Wells
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	175	7.58	7.58	1327	22.1
2	298	4.46	4.46	1327	22.1
3	350	3.51	3.51	1230	20.5
4	297	3.79	3.79	1124	18.7
5	213	3.79	3.79	807	13.5
6	153	3.79	3.79	579	9.7
7	110	3.79	3.79	416	6.9
8	0	1.90	1.90	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	582	4.27	4.3	2485	41

Wabiskaw C (Infills)
Best Estimate Contingent

Steamflood Recovery	146	MSTB per well
Steamflood Area	688	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	31	Wells
Peak Rate per Well	140	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	140	1.00	1.00	140	2.3
2	109	1.00	1.00	109	1.8
3	84	1.00	1.00	84	1.4
4	66	1.00	1.00	66	1.1
5	0	1.00	1.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	146	1.00	1.0	146	2

Wabiskaw A (WP)
Best Estimate Contingent

Steamflood Recovery	608	MSTB per well
Steamflood Area	7972	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.4	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	358	Wells
Peak Rate per Well	375	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	188	7.32	7.32	1373	22.9
2	319	4.31	4.31	1373	22.9
3	375	3.66	3.66	1373	22.9
4	312	3.66	3.66	1143	19.1
5	217	3.66	3.66	794	13.2
6	151	3.66	3.66	551	9.2
7	104	3.66	3.66	382	6.4
8	0	3.66	3.66	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	608	4.20	4.2	2551	43

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw A (Infills)
Best Estimate Contingent

Steamflood Recovery	152	MSTB per well
Steamflood Area	7972	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.4	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	358	Wells
Peak Rate per Well	150	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	1.00	1.00	150	2.5
2	114	1.00	1.00	114	1.9
3	87	1.00	1.00	87	1.4
4	66	1.00	1.00	66	1.1
5	0	1.00	1.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	152	1.00	1.0	152	3

Wabiskaw D (WP)
High Estimate Contingent

Steamflood Recovery	544	MSTB per well
Steamflood Area	1247	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	56	Wells
Peak Rate per Well	350	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	175	6.94	6.94	1215	20.2
2	298	4.08	4.08	1215	20.2
3	350	4.46	4.46	1561	26.0
4	283	3.47	3.47	982	16.4
5	185	3.47	3.47	642	10.7
6	121	3.47	3.47	420	7.0
7	79	1.74	1.74	137	2.3
8	0	1.74	1.74	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	544	4.14	4.1	2253	38

Wabiskaw D (Infills)
High Estimate Contingent

Steamflood Recovery	136	MSTB per well
Steamflood Area	1247	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	10.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	56	Wells
Peak Rate per Well	140	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	140	1.00	1.00	140	2.3
2	103	1.00	1.00	103	1.7
3	75	1.00	1.00	75	1.3
4	55	1.00	1.00	55	0.9
5	0	0.00	0.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	136	1.00	1.0	136	2

Wabiskaw C (WP)
High Estimate Contingent

Steamflood Recovery	635	MSTB per well
Steamflood Area	930	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.5	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	42	Wells
Peak Rate per Well	375	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	188	7.62	7.62	1429	23.8
2	319	4.48	4.48	1429	23.8
3	375	2.33	2.33	873	14.5
4	313	3.81	3.81	1191	19.8
5	217	3.81	3.81	827	13.8
6	151	3.81	3.81	574	9.6
7	105	1.91	1.91	199	3.3
8	73	1.91	1.91	139	2.3
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	635	3.83	3.8	2431	41

Table 2
Thickwood
TYPE WELL PRODUCTION FORECASTS

Wabiskaw C (Infills)
High Estimate Contingent

Steamflood Recovery	159	MSTB per well
Steamflood Area	930	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	11.5	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	42	Wells
Peak Rate per Well	150	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	1.00	1.00	150	2.5
2	118	1.00	1.00	118	2.0
3	93	1.00	1.00	93	1.6
4	73	1.00	1.00	73	1.2
5	0	1.00	1.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	159	1.00	1.0	159	3

Wabiskaw A (WP)
High Estimate Contingent

Steamflood Recovery	691	MSTB per well
Steamflood Area	8942	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	402	Wells
Peak Rate per Well	375	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	188	7.06	7.06	1324	22.1
2	319	4.15	4.15	1324	22.1
3	375	2.15	2.15	806	13.4
4	327	3.53	3.53	1153	19.2
5	248	3.53	3.53	875	14.6
6	188	3.53	3.53	663	11.1
7	143	3.53	3.53	503	8.4
8	108	1.77	1.77	191	3.2
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	691	3.61	3.6	2496	42

Wabiskaw A (Infills)
High Estimate Contingent

Steamflood Recovery	173	MSTB per well
Steamflood Area	8942	Acres
Well Spacing	100	Metres
Well Length	800	Metres
Single Well Drainage Area	22.2	Acres *
Net Pay	12.1	Metres
Net Steam Generation Efficiency	0.40	mcf/stb steam
Number of Wells Required	402	Wells
Peak Rate per Well	150	BOPD

* - Includes 50m drainage at well ends

Type Well Production Profile

Annual Averages					
Year	Oil Rate BOPD	SOR	WOR	Steam Injection bpd	mmbtu/hr
1	150	1.00	1.00	150	2.5
2	127	1.00	1.00	127	2.1
3	107	1.00	1.00	107	1.8
4	90	1.00	1.00	90	1.5
5	0	1.00	1.00	0	0.0
6	0	0.00	0.00	0	0.0
7	0	0.00	0.00	0	0.0
8	0	0.00	0.00	0	0.0
9	0	0.00	0.00	0	0.0
10	0	0.00	0.00	0	0.0
11	0	0.00	0.00	0	0.0
12	0	0.00	0.00	0	0.0
13	0	0.00	0.00	0	0.0
14	0	0.00	0.00	0	0.0
15	0	0.00	0.00	0	0.0
16	0	0.00	0.00	0	0.0
Totals	173	1.00	1.0	173	3

Table 3.1
SAGD PRODUCTION AND EXPENSE FORECAST
Thickwood
Probable Reserves

Project Specifications

Bitumen production:	10,000 bopd		
Steam injection:	35,000 bbls/day (cwe)		
	583 mmbtu/hr		
Steam Efficiency:	0.40 mcf/stb		
Facility SOR:	3.5		
	Typecurve		
	2	6	
Well Pair Count:	208	29	179
	3	7	
Infill Count:	208	29	179
total:	416		
NCG Gas Injection	75 scf/stb average production		

Operating Costs (In 2011 $)

Battery:	3,800 $M / yr	5%	of plant capital
	380 $M / yr per mstb/day installed capacity		
Steamer:	13,300 $M / yr	5%	of plant capital
	22.8 $M / mmbtu/hr per yr installed capacity		
Oil Well:	16,000 $ / well-month		
Oil:	0.80 $ / stb		
Water:	0.80 $ / stb		
Fuel:	At cost: Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2% per year		

Capital Costs (in 2011 $; Facilities, future wells, sustaining)

Total Facility and Infrastructure Capital					
Oil treating facility (battery):	7,600	$M / mbbl oil per day	76,000	$M Total	
Steam gen, filtration, water handling:	7,600	$M / mbbl steam per day	266,000	$M Total	
Other facility capital (Infrastructure):			20,000	$M Total	
Cogeneration			0	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	154,347	$M Total	
		Spent to Date:	0	$M Total	
		Forecast Facility Capital:	516,347	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	103,600	$M Total	28
Drill, complete/pair inc. 10% reduction:	3,350	$M / well pair	572,850	$M Total	2019 171
Well pad construction, facil., piping:	2,800	$M / well pair	557,200	$M Total	199
Downhole Pumps:	300	$M / well pair	124,800	$M Total	416
Additional Core holes: 6	400	$M / core-hole	2,400	$M Total	
Well Sustaining Capital:	150	$M/well pair per prod'g yr	274,125	$M Total	
		Total Remaining Capital:	2,586,122	$M Total Forecast	
Previously Spent Well Capital:			0	$M Total	

	Well Pairs			Infill Wells																	Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	6	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	3.80	0.00	0	0	0	0	0	0	0	0	0	0	0
2012	6	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	4.26	0.00	0	0	0	0	0	0	0	0	816	27642	28458
2013	6	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	4.49	0.00	0	0	0	0	0	0	0	0	832	81567	82400
2014	6	0	0	6	0	0	0	0	0.00	0	0.00	0	0	0	4.94	0.00	0	0	0	0	0	0	0	0	69827	181467	251294
2015	6	10	10	6	0	0	2000	13824	6.91	13824	6.91	5679	150	230	5.40	0.00	0	0	0	0	11194	39097	5001	55293	98501	97874	196375
2016	6	14	24	6	0	0	6200	31103	5.02	31103	5.02	12906	465	518	5.85	0.00	0	0	0	0	27558	33407	12026	72991	7177	7751	14927
2017	6	1	25	6	0	0	8960	31656	3.53	31656	3.53	13334	672	528	6.31	0.00	0	0	0	0	30711	24663	13356	68730	3378	8075	11453
2018	6	0	25	6	0	0	9370	32382	3.46	32382	3.46	13656	703	540	6.74	0.00	0	0	0	0	33594	25156	14004	72755	51346	8236	59582
2019	6	3	28	7	10	10	9925	32443	3.27	32443	3.27	13722	744	541	6.87	0.00	0	0	0	0	34407	27459	14495	76362	34798	9807	44605
2020	6	0	28	7	14	24	10307	26883	2.61	26883	2.61	11526	773	448	7.01	0.00	0	0	0	0	29491	29614	12978	72084	68658	11258	79916
2021	6	9	37	7	1	25	10302	31880	3.09	31880	3.09	13525	773	531	7.15	0.00	0	0	0	0	35297	32430	15014	82742	27245	13220	40465
2022	6	3	40	7	0	25	10330	26495	2.56	26495	2.56	11373	775	442	7.29	0.00	0	0	0	0	30274	33795	13370	77439	66583	14044	80627
2023	6	7	37	7	3	18	10156	32758	3.23	32758	3.23	13865	762	546	7.44	0.00	0	0	0	0	37647	32888	15892	86427	42803	13088	55891
2024	6	5	28	7	0	4	8808	32534	3.69	32534	3.69	13674	661	542	7.59	0.00	0	0	0	0	37871	29572	15616	83059	41525	10245	51770
2025	6	2	29	7	9	12	10374	32191	3.10	32191	3.10	13654	778	537	7.74	0.00	0	0	0	0	38573	31430	16400	86402	36616	11440	48055
2026	6	3	32	7	3	15	10341	32545	3.15	32545	3.15	13794	776	542	7.89	0.00	0	0	0	0	39746	33221	16854	89821	54911	12577	67489
2027	6	4	33	7	7	19	10376	30384	2.93	30384	2.93	12932	778	506	8.05	0.00	0	0	0	0	38008	34677	16339	89023	35830	13446	49276
2028	6	2	35	7	5	24	10368	27947	2.70	27947	2.70	11956	778	466	8.21	0.00	0	0	0	0	35843	36580	15666	88089	77293	14661	91954
2029	6	8	34	7	2	17	9602	31619	3.29	31619	3.29	13368	720	527	8.38	0.00	0	0	0	0	40876	36078	17191	94144	57630	13990	71619
2030	6	5	36	7	3	17	10314	32018	3.10	32018	3.10	13581	774	534	8.55	0.00	0	0	0	0	42358	37358	18008	97724	42175	14707	56881
2031	6	3	32	7	4	14	10224	31898	3.12	31898	3.12	13526	767	532	8.72	0.00	0	0	0	0	43032	36536	18277	97845	47253	13775	61028
2032	6	4	31	7	2	11	9771	32162	3.29	32162	3.29	13598	733	536	8.89	0.00	0	0	0	0	44124	36540	18558	99222	57065	13482	70547
2033	6	3	32	7	8	17	10356	30885	2.98	30885	2.98	13131	777	515	9.07	0.00	0	0	0	0	43461	38458	18617	100536	67018	14679	81697
2034	6	5	34	7	5	19	10496	32602	3.11	32602	3.11	13828	787	543	9.25	0.00	0	0	0	0	46685	40135	19845	106665	61263	15682	76945
2035	6	5	35	7	3	18	10433	31913	3.06	31913	3.06	13548	782	532	9.43	0.00	0	0	0	0	46653	41092	19888	107633	38602	16117	54719
2036	6	2	35	7	4	20	10470	29375	2.81	29375	2.81	12535	785	490	9.62	0.00	0	0	0	0	44029	42229	19088	105346	75796	16685	92481
2037	6	6	33	7	3	15	9783	32015	3.27	32015	3.27	13540	734	534	9.82	0.00	0	0	0	0	48509	41628	20424	110561	62753	15889	78642
2038	6	4	32	7	5	15	9916	30913	3.12	30913	3.12	13109	744	515	10.01	0.00	0	0	0	0	47904	42133	20349	110387	52487	15951	68438
2039	6	3	32	7	5	17	10186	30617	3.01	30617	3.01	13011	764	510	10.21	0.00	0	0	0	0	48498	41888	20744	111129	65550	16247	81796
2040	6	5	33	7	2	15	9882	31515	3.19	31515	3.19	13347	741	525	10.42	0.00	0	0	0	0	50745	42935	21466	115146	70856	16613	87470
2041	6	4	34	7	6	18	10352	31063	3.00	31063	3.00	13202	776	518	10.62	0.00	0	0	0	0	51196	44669	21905	117771	75262	17626	92888
2042	6	5	34	7	4	17	10379	32845	3.16	32845	3.16	13916	778	547	10.84	0.00	0	0	0	0	55048	46040	23319	124407	60970	17971	78942
2043	6	4	33	7	3	15	10169	31637	3.11	31637	3.11	13418	763	527	11.05	0.00	0	0	0	0	54136	45715	23005	122857	60211	17661	77872
2044	6	3	34	7	5	18	10462	30930	2.96	30930	2.96	13157	785	515	11.28	0.00	0	0	0	0	54145	47395	23233	124772	80445	18703	99149
2045	6	5	33	7	4	16	10063	31967	3.18	31967	3.18	13542	755	533	11.50	0.00	0	0	0	0	56844	47837	24063	128743	84995	18539	103534
2046	6	5	34	7	5	17	10395	32434	3.12	32434	3.12	13753	780	541	11.73	0.00	0	0	0	0	58887	49682	25011	133580	58497	19422	77919
2047	6	3	34	7	4	18	10491	31171	2.97	31171	2.97	13255	787	520	11.97	0.00	0	0	0	0	57889	50405	24816	133110	68540	19870	88410
2048	6	4	33	7	3	16	10023	30851	3.08	30851	3.08	13092	752	514	12.20	0.00	0	0	0	0	58321	50288	24833	133443	92070	19578	111648
2049	6	5	34	7	5	17	10215	31853	3.12	31853	3.12	13507	766	531	12.45	0.00	0	0	0	0	61373	52407	26070	139850	78950	20547	99497
2050	6	4	33	7	5	17	10269	31596	3.08	31596	3.08	13408	770	527	12.70	0.00	0	0	0	0	62143	52953	26463	141559	84750	20616	105366
2051	6	5	34	7	3	16	10348	32733	3.16	32733	3.16	13869	776	546	12.95	0.00	0	0	0	0	65564	54749	27776	148090	65910	21299	87209
2052	6	3	34	7	4	17	10388	30958	2.98	30958	2.98	13162	779	516	13.21	0.00	0	0	0	0	63466	55294	27190	145950	98984	21741	120725
2053	6	5	34	7	5	17	10404	32686	3.14	32686	3.14	13855	780	545	13.47	0.00	0	0	0	0	68141	57186	28905	154231	81322	22333	103655
2054	6	4	33	7	4	16	10198	31634	3.10	31634	3.10	13418	765	527	13.74	0.00	0	0	0	0	67316	57078	28622	153016	72756	22137	94893
2055	6	3	33	7	5	18	10302	30336	2.94	30336	2.94	12907	773	506	14.02	0.00	0	0	0	0	66046	58112	28361	152518	36926	22825	59751
2056	6	1	30	7	3	17	9285	26013	2.80	26013	2.80	11101	696	434	14.30	0.00	0	0	0	0	57942	54941	25127	138010	151391	21463	172854
2057	2	8	33	7	5	17	9307	32159	3.46	32159	3.46	13561	698	536	14.59	0.00	0	0	0	0	72198	60631	30108	162937	103319	23643	126961
2058	2	5	34	7	4	17	9601	32749	3.41	32749	3.41	13820	720	546	14.88	0.00	0	0	0	0	75043	62772	31365	169180	65818	24584	90402
2059	2	3	32	7	3	15	9454	32463	3.43	32463	3.43	13694	709	541	15.17	0.00	0	0	0	0	75850	62317	31665	169832	79164	23868	103032
2060	2	4	33	7	1	13	8829	32434	3.67	32434	3.67	13636	662	541	15.48	0.00	0	0	0	0	77037	63222	31795	172054	7125	24277	31402
Totals		**199**			**179**		**164317**	**519418**	**3.16**	**519418**		**220091**	**12324**								**2265675**	**1994692**	**963098**	**5223465**	**2923994**	**1138916**	**4062910**

Table 3.2
SAGD PRODUCTION AND EXPENSE FORECAST
Thickwood
Probable Plus Possible Reserves

Project Specifications

Bitumen production:	15,000	bopd	
Steam injection:	52,500	bbls/day (cwe)	
	875	mmbtu/hr	
Steam Efficiency:	0.40	mcf/stb	
Facility SOR:	3.5		
	Typecurve		
	9		13
Well Pair Count:	224	36	188
	10		14
Infill Count:	224	36	188
total:	448		
NCG Gas Injection	75	scf/stb average production	

Operating Costs (In 2011 $)

Battery:	6,162	$M / yr	5% of plant capital
	411	$M / yr per mstb/day installed capacity	
Steamer:	21,566	$M / yr	5% of plant capital
	24.6	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Fuel:	At cost: Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (In 2011 $; Facilities, future wells, sustaining)

Total Facility and Infrastructure Capital					
Oil treating facility (battery):	8,215	$M / mbbl oil per day	123,232	$M Total	
Steam gen, filtration, water handling:	8,215	$M / mbbl steam per day	431,313	$M Total	
Other facility capital (Infrastructure):			20,000	$M Total	
Cogeneration			0	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	226,671	$M Total	
		Spent to Date:	0	$M Total	
		Forecast Facility Capital:	801,216	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	144,300	$M Total	39
Drill, complete/pair inc. 10% reduction:	3,350	$M / well pair	619,750	$M Total	2019 185
Well pad construction, facil., piping:	2,800	$M / well pair	627,200	$M Total	224
Well pad inc. 10% reduc'n(eqp reuse):		$M / well pair		$M Total	
	300	$M / well pair	134,400	$M Total	
Additional Core holes: 9	400	$M / core-hole	3,600	$M Total	
Well Sustaining Capital:	150	$M/well pair per prod'g yr	378,300	$M Total	
		Total Remaining Capital:	2,708,766	$M Total	Forecast
Previously Spent Well Capital:			0	$M Total	

	Well Pairs			Infill Wells																Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	3.80	0.00	0	0	0	0	0	0	0	0	0	0	0
2012	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.26	0.00	0	0	0	0	0	0	0	0	1224	27642	28866
2013	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.49	0.00	0	0	0	0	0	0	0	0	1248	81567	82816
2014	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.94	0.00	0	0	0	0	0	0	0	0	70252	181467	251719
2015	13	10	10	14	0	0	2125	14242	6.70	14242	6.70	5856	159	237	5.40	0.00	0	0	0	0	11543	39097	5173	55813	98501	143887	242388
2016	13	14	24	14	0	0	6588	32045	4.86	32045	4.86	13312	494	534	5.85	0.00	0	0	0	0	28425	33407	12455	74287	7177	125084	132261
2017	13	1	25	14	0	0	9520	32615	3.43	32615	3.43	13760	714	544	6.31	0.00	0	0	0	0	31691	24663	13856	70210	54619	67915	122534
2018	13	7	32	14	0	0	11496	43510	3.78	43510	3.78	18266	862	725	6.74	0.00	0	0	0	0	44937	51115	18450	114502	57090	24091	81181
2019	13	7	39	14	10	10	14116	48293	3.42	48293	3.42	20376	1059	805	6.87	0.00	0	0	0	0	51094	48611	21352	121057	351	14230	14582
2020	13	0	39	14	14	24	15630	43631	2.79	43631	2.79	18625	1172	727	7.01	0.00	0	0	0	0	47654	44839	20680	113173	53958	15770	69728
2021	13	7	46	14	1	25	15001	47963	3.20	47963	3.20	20310	1125	799	7.15	0.00	0	0	0	0	53006	47491	22412	122909	51198	17457	68654
2022	13	6	52	14	7	32	15656	46158	2.95	46158	2.95	19637	1174	769	7.29	0.00	0	0	0	0	52275	50709	22442	125426	12869	19577	32446
2023	13	1	53	14	7	39	15629	39169	2.51	39169	2.51	16840	1172	653	7.44	0.00	0	0	0	0	45724	52819	20293	118836	96640	20825	117465
2024	13	12	55	14	0	29	14741	49287	3.34	49287	3.34	20820	1106	821	7.59	0.00	0	0	0	0	57663	53130	24185	134978	60735	20659	81394
2025	13	7	48	14	7	22	15066	47836	3.18	47836	3.18	20264	1130	797	7.74	0.00	0	0	0	0	57246	51533	24235	133014	3167	18994	22161
2026	13	0	47	14	6	27	15653	42900	2.74	42900	2.74	18334	1174	715	7.89	0.00	0	0	0	0	52829	52951	23011	128791	71062	19677	90739
2027	13	8	48	14	1	21	14600	48440	3.32	48440	3.32	20471	1095	807	8.05	0.00	0	0	0	0	60166	53483	25270	138918	56421	19659	76080
2028	13	6	47	14	12	26	15525	46905	3.02	46905	3.02	19926	1164	782	8.21	0.00	0	0	0	0	59736	54956	25526	140218	11132	20367	31499
2029	13	1	48	14	7	33	15674	41861	2.67	41861	2.67	17920	1176	698	8.38	0.00	0	0	0	0	54796	57289	23995	136080	91693	21739	113432
2030	13	10	51	14	0	26	14755	49136	3.33	49136	3.33	20761	1107	819	8.55	0.00	0	0	0	0	64753	58295	27179	150226	61623	22064	83687
2031	13	6	51	14	8	28	15604	46531	2.98	46531	2.98	19783	1170	776	8.72	0.00	0	0	0	0	62936	59746	26960	149642	3566	22728	26295
2032	13	0	50	14	6	33	15574	40783	2.62	40783	2.62	17481	1168	680	8.89	0.00	0	0	0	0	56726	61377	24942	143046	97760	23524	121284
2033	13	10	48	14	1	22	14127	48029	3.40	48029	3.40	20271	1060	800	9.07	0.00	0	0	0	0	67095	60379	28059	155532	73048	22255	95303
2034	13	7	48	14	10	25	15395	47582	3.09	47582	3.09	20187	1155	793	9.25	0.00	0	0	0	0	68155	62040	28998	159193	2838	23055	25893
2035	13	0	48	14	6	31	15689	41920	2.67	41920	2.67	17945	1177	699	9.43	0.00	0	0	0	0	61795	64208	27057	153059	94335	24240	118575
2036	13	9	49	14	0	23	14468	48274	3.34	48274	3.34	20395	1085	805	9.62	0.00	0	0	0	0	71636	64547	30057	166240	68905	23986	92892
2037	13	6	49	14	10	27	15412	46135	2.99	46135	2.99	19610	1156	769	9.82	0.00	0	0	0	0	70257	66480	30074	166812	13304	24968	38272
2038	13	1	49	14	7	33	15614	41613	2.67	41613	2.67	17816	1171	694	10.01	0.00	0	0	0	0	65108	68793	28523	162424	109582	26236	135818
2039	13	10	49	14	0	23	14389	48803	3.39	48803	3.39	20600	1079	813	10.21	0.00	0	0	0	0	76787	68498	32125	177409	72601	25455	98055
2040	13	6	49	14	9	26	15487	46846	3.02	46846	3.02	19900	1162	781	10.42	0.00	0	0	0	0	75660	70379	32323	178362	4262	26363	30625
2041	13	0	49	14	6	32	15605	41187	2.64	41187	2.64	17645	1170	686	10.62	0.00	0	0	0	0	68430	72830	30039	171298	116833	27706	144538
2042	13	10	49	14	1	23	14393	48672	3.38	48672	3.38	20548	1079	811	10.84	0.00	0	0	0	0	81281	72690	34023	187994	76490	27013	103503
2043	13	6	48	14	10	26	15387	46444	3.02	46444	3.02	19732	1154	774	11.05	0.00	0	0	0	0	79613	74325	34025	187962	14982	27694	42676
2044	13	1	49	14	6	32	15698	42353	2.70	42353	2.70	18119	1177	706	11.28	0.00	0	0	0	0	74566	77288	32584	184437	112739	29401	142140
2045	13	9	49	14	0	23	14405	48060	3.34	48060	3.34	20304	1080	801	11.50	0.00	0	0	0	0	85233	75072	35762	196067	93818	28253	122071
2046	13	7	50	14	10	27	15680	47744	3.04	47744	3.04	20274	1176	796	11.73	0.00	0	0	0	0	86806	78134	37038	201978	4200	29799	33999
2047	13	0	49	14	6	32	15683	41531	2.65	41531	2.65	17789	1176	692	11.97	0.00	0	0	0	0	77689	77531	34079	189299	43144	30303	73447
2048	13	3	42	14	1	23	13069	39311	3.01	39311	3.01	16704	980	655	12.20	0.00	0	0	0	0	74413	72194	31824	178430	189758	26862	216620
2049	9	14	50	14	9	26	14158	48131	3.40	48131	3.40	20314	1062	802	12.45	0.00	0	0	0	0	92303	82200	38601	213104	69081	31361	100442
2050	9	5	55	14	7	33	15644	46256	2.96	46256	2.96	19676	1173	771	12.70	0.00	0	0	0	0	91190	87196	39128	217514	82477	34713	117189
2051	9	6	51	14	0	23	14510	48892	3.36	48692	3.36	20565	1088	812	12.95	0.00	0	0	0	0	97217	85738	40749	223704	110292	32549	142840
2052	9	7	52	14	3	20	14084	48317	3.43	48317	3.43	20383	1056	805	13.21	0.00	0	0	0	0	98285	86853	41038	226176	63512	32954	96466
2053	9	4	55	10	14	33	15100	45622	3.02	45622	3.02	19381	1132	760	13.47	0.00	0	0	0	0	95323	91950	40732	228005	4135	36721	40856
2054	9	0	46	10	5	29	12647	37397	2.96	37397	2.96	15907	949	623	13.74	0.00	0	0	0	0	79803	83161	34241	197205	7030	32453	39482
2055	9	0	39	10	6	28	10130	26466	2.61	26466	2.61	11346	760	441	14.02	0.00	0	0	0	0	58059	73117	25540	156716	12906	28760	41666
2056	9	0	39	10	7	35	8594	19679	2.29	19679	2.29	8516	645	328	14.30	0.00	0	0	0	0	44448	70193	20126	134767	3657	29410	33067
2057	9	0	22	10	4	22	5062	10972	2.17	10972	2.17	4789	380	183	14.59	0.00	0	0	0	0	25386	49359	11642	86388	4476	19029	23505
2058	9	0	17	10	0	17	3236	5835	1.80	5835	1.80	2577	243	97	14.88	0.00	0	0	0	0	13992	38198	6718	58908	5326	14858	20184
2059	9	0	11	10	0	11	1772	2570	1.45	2570	1.45	1161	133	43	15.17	0.00	0	0	0	0	6430	26390	3280	36101	3104	10042	13146
2060	9	0	4	10	0	4	574	826	1.44	826	1.44	373	43	14	15.48	0.00	0	0	0	0	2109	13577	1079	16765	0	4482	4482
Totals		**224**			**224**		**218623**	**666699**	**3.05**	**666699**		**283076**	**16397**								**2782267**	**2808828**	**1191880**	**6782975**	**2419122**	**1659844**	**4078967**

Table 3.3
SAGD PRODUCTION AND EXPENSE FORECAST
Thickwood
Low Estimate Contingent Resources

Project Specifications

Bitumen production:	30,000	bopd		
Steam injection:	120,000	bbls/day (cwe)		
	2,000	mmbtu/hr		
Steam Efficiency:	0.40	mcf/stb		
Facility SOR:	4.0			
	Typecurve			
	15	16	17	
Well Pair Count:	437	7	18	412
Infill Count:	0	0	0	0
total:	437			
NCG Gas Injection	75	scf/stb average production		

Operating Costs (In 2011 $)

Battery:	9,583	$M / yr	5% of plant capital
	319	$M / yr per mstb/day installed capacity	
Steamer:	37,877	$M / yr	5% of plant capital
	18.9	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Fuel:	At cost: Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (in 2011 $; Facilities, future wells, sustaining)

Total Facility and Infrastructure Capital					
Oil treating facility (battery):	6,389	$M / mbbl oil per day	191,658	$M Total	
Steam gen, filtration, water handling:	6,313	$M / mbbl steam per day	757,547	$M Total	
Other facility capital (Infrastructure):			20,000	$M Total	
Cogeneration			0	$M Total	
Facility Maintenance Capital	1%	of facility capital per yr	265,112	$M Total	
		Spent to Date:	0	$M Total	
		Forecast Facility Capital:	1,234,317	$M Total	
Forecast Well Capital					Start Year / wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	366,300	$M Total	99
Drill, complete/pair inc. 10% reduction:	3,350	$M / well pair	1,132,300	$M Total	2019 / 338
Well pad construction, facil., piping:	2,800	$M / well pair	1,223,600	$M Total	437
Downhole Pumps:	300	$M / well pair	131,100	$M Total	437
Additional Core hdes: 72	400	$M / core-hde	28,800	$M Total	
Well Sustaining Capital:	150	$M/well pair per prod'g yr	523,350	$M Total	
		Total Remaining Capital:	4,639,767	$M Total Forecast	
Previously Spent Well Capital:			0	$M Total	

	Well Pairs			Infill Wells																	Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	9	0	0	9	0	0	0	0	0.00	0	0.00	0	0	0	3.80	0.00	0	0	0	0	0	0	0	0	0	0	0
2012	9	0	0	9	0	0	0	0	0.00	0	0.00	0	0	0	4.26	0.00	0	0	0	0	0	0	0	0	4896	27642	32538
2013	17	0	0	17	0	0	0	0	0.00	0	0.00	0	0	0	4.49	0.00	0	0	0	0	0	0	0	0	4994	81567	86561
2014	17	0	0	17	0	0	0	0	0.00	0	0.00	0	0	0	4.94	0.00	0	0	0	0	0	0	0	0	74072	181467	255539
2015	17	10	10	17	0	0	1625	12542	7.72	12542	7.72	5139	122	209	5.40	0.00	0	0	0	0	10128	39097	4478	53704	103697	229325	333022
2016	17	14	24	17	0	0	5038	28220	5.60	28220	5.60	11666	378	470	5.85	0.00	0	0	0	0	24909	33407	10722	69038	26829	342952	369782
2017	17	3	27	17	0	0	7605	31230	4.11	31230	4.11	13062	570	520	6.31	0.00	0	0	0	0	30084	25095	12770	67950	404067	179365	583432
2018	17	54	81	17	0	0	16966	99338	5.85	99338	5.85	41008	1272	1656	6.74	0.00	0	0	0	0	100883	107256	39010	247149	139221	59734	198955
2019	17	18	99	17	0	0	24862	107232	4.31	107232	4.31	44757	1865	1787	6.87	0.00	0	0	0	0	112231	95664	45192	253087	22672	28521	51192
2020	17	3	102	17	0	0	28381	111405	3.93	111405	3.93	46691	2129	1857	7.01	0.00	0	0	0	0	119465	80124	48781	248370	92859	29629	122487
2021	17	10	112	17	0	0	27515	110172	4.00	110172	4.00	46132	2064	1836	7.15	0.00	0	0	0	0	120397	84067	49009	253474	141525	32050	173575
2022	17	18	130	17	0	0	26114	107163	4.10	107163	4.10	44824	1959	1786	7.29	0.00	0	0	0	0	119321	90045	48388	257755	138761	36048	174809
2023	17	18	138	17	0	0	25897	108151	4.18	108151	4.18	45203	1942	1803	7.44	0.00	0	0	0	0	122737	93794	49641	266172	175398	38291	213689
2024	17	22	146	17	0	0	27329	106435	3.89	106435	3.89	44624	2050	1774	7.59	0.00	0	0	0	0	123589	97657	50527	271773	134276	40609	174885
2025	17	16	159	17	0	0	29077	108916	3.75	108916	3.75	45747	2181	1815	7.74	0.00	0	0	0	0	129234	102904	53167	285305	136962	43994	180956
2026	17	16	121	17	0	0	26550	108734	4.10	108734	4.10	45485	1991	1812	7.89	0.00	0	0	0	0	131063	95142	53166	279371	133039	37203	170242
2027	17	15	118	17	0	0	26324	108202	4.11	108202	4.11	45255	1974	1803	8.05	0.00	0	0	0	0	133009	96255	53925	283189	141671	37329	179000
2028	17	16	131	17	0	0	26931	108149	4.02	108149	4.02	45279	2020	1802	8.21	0.00	0	0	0	0	135742	101675	55230	292647	153116	40806	193922
2029	17	17	138	17	0	0	27120	108139	3.99	108139	3.99	45290	2034	1802	8.38	0.00	0	0	0	0	138488	105628	56409	300525	164534	43122	207656
2030	17	18	138	17	0	0	27128	107887	3.98	107887	3.98	45189	2035	1798	8.55	0.00	0	0	0	0	140945	107740	57434	306119	159302	43984	203286
2031	17	17	137	17	0	0	27282	108541	3.98	108541	3.98	45462	2046	1809	8.72	0.00	0	0	0	0	144632	109610	58933	313175	153796	44641	198436
2032	17	16	131	17	0	0	26972	107739	3.99	107739	3.99	45119	2023	1796	8.89	0.00	0	0	0	0	146409	110056	59620	316085	157326	44170	201496
2033	17	16	131	17	0	0	26902	107698	4.00	107698	4.00	45097	2018	1795	9.07	0.00	0	0	0	0	149266	112257	60762	322285	169517	45053	214570
2034	17	17	132	17	0	0	26856	108092	4.02	108092	4.02	45251	2014	1802	9.25	0.00	0	0	0	0	152771	114805	62138	329714	172434	46191	218625
2035	17	17	134	17	0	0	27005	108267	4.01	108267	4.01	45332	2025	1804	9.43	0.00	0	0	0	0	156107	117719	63533	337358	175883	47597	223480
2036	17	17	135	17	0	0	27168	108498	3.99	108498	3.99	45437	2038	1808	9.62	0.00	0	0	0	0	159597	120388	64992	344977	169803	48795	218598
2037	17	16	134	17	0	0	27100	107664	3.97	107664	3.97	45098	2032	1794	9.82	0.00	0	0	0	0	161574	122475	65851	349899	183490	49520	233010
2038	17	17	133	17	0	0	26990	108266	4.01	108266	4.01	45331	2024	1804	10.01	0.00	0	0	0	0	165655	124596	67413	357665	124176	50254	174430
2039	17	11	127	17	0	0	26036	100991	3.88	100991	3.88	42349	1953	1683	10.21	0.00	0	0	0	0	157854	118492	64577	340924	115430	48374	163804
2040	16	10	121	16	0	0	24377	94012	3.86	94012	3.86	39433	1828	1567	10.42	0.00	0	0	0	0	149925	116133	61390	327448	96428	47207	143635
2041	16	8	113	16	0	0	21985	83534	3.80	83534	3.80	35063	1649	1392	10.62	0.00	0	0	0	0	135975	111403	55811	303188	83957	45123	129080
2042	15	7	103	15	0	0	19223	73024	3.80	73024	3.80	30651	1442	1217	10.84	0.00	0	0	0	0	121246	105303	49767	276315	5543	42298	47841
2043	15	0	86	15	0	0	15577	54959	3.53	54959	3.53	23152	1168	916	11.05	0.00	0	0	0	0	93412	92451	38815	224678	4523	36577	41100
2044	15	0	69	15	0	0	11571	39515	3.42	39515	3.42	16674	868	659	11.28	0.00	0	0	0	0	68619	78706	28674	175999	4037	30543	34580
2045	15	0	53	15	0	0	7782	25829	3.32	25829	3.32	10915	584	430	11.50	0.00	0	0	0	0	45819	64000	19243	129061	0	24397	24397
2046	3	0	36	3	0	0	4627	14612	3.16	14612	3.16	6192	347	244	11.73	0.00	0	0	0	0	26512	47816	11235	85562	0	17598	17598
2047	3	0	25	3	0	0	2682	5494	2.05	5494	2.05	2399	201	92	11.97	0.00	0	0	0	0	10475	32393	4870	47738	0	12170	12170
2048	3	0	15	3	0	0	1345	2800	2.08	2800	2.08	1221	101	47	12.20	0.00	0	0	0	0	5439	14200	2518	22157	0	6323	6323
2049	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	12.45	0.00	0	0	0	0	0	0	0	0	0	0	0
2050	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	12.70	0.00	0	0	0	0	0	0	0	0	0	0	0
2051	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	12.95	0.00	0	0	0	0	0	0	0	0	0	0	0
2052	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	13.21	0.00	0	0	0	0	0	0	0	0	0	0	0
2053	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	13.47	0.00	0	0	0	0	0	0	0	0	0	0	0
2054	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	13.74	0.00	0	0	0	0	0	0	0	0	0	0	0
2055	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	14.02	0.00	0	0	0	0	0	0	0	0	0	0	0
2056	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	14.30	0.00	0	0	0	0	0	0	0	0	0	0	0
2057	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	14.59	0.00	0	0	0	0	0	0	0	0	0	0	0
2058	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	14.88	0.00	0	0	0	0	0	0	0	0	0	0	0
2059	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	15.17	0.00	0	0	0	0	0	0	0	0	0	0	0
2060	3	0	0	3	0	0	0	0	0.00	0	0.00	0	0	0	15.48	0.00	0	0	0	0	0	0	0	0	0	0	0
Totals		**437**			**0**		**257668**	**1033479**	**4.01**	**1033479**		**432717**	**19325**								**3743511**	**3068353**	**1527992**	**8339856**	**3968233**	**2240468**	**6208701**

Table 3.4
SAGD PRODUCTION AND EXPENSE FORECAST
Thickwood
Probable Reserves Plus Best Estimate Contingent Resources

Project Specifications

Bitumen production:	50,000 bopd					
Steam injection:	180,000 bbls/day (cwe)					
	3,000 mmbtu/hr					
Steam Efficiency:	0.40 mcf/stb					
Facility SOR:	3.6					
	Typecurve					
	6	2	28	25	22	
Well Pair Count:	623	179	29	358	31	26
	7	3	29	26	23	
Infill Count:	623	179	29	358	31	26
total:	1,246					
NCG Gas Injection	75 scf/stb average production					

Operating Costs (In 2011 $)

Battery:	15,961 $M / yr	5%	of plant capital
	319 $M / yr per mstb/day installed capacity		
Steamer:	57,382 $M / yr	5%	of plant capital
	19.1 $M / mmbtu/hr per yr installed capacity		
Oil Well:	16,000 $ / well-month		
Oil:	0.80 $ / stb		
Water:	0.80 $ / stb		
Fuel:	At cost: Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2% per year		

Capital Costs (in 2011 $; Facilities, future wells, sustaining)

Total Facility and Infrastructure Capital						
Oil treating facility (battery):		6,384	$M / mbbl oil per day	319,210	$M Total	
Steam gen, filtration, water handling:		6,376	$M / mbbl steam per day	1,147,637	$M Total	
Other facility capital (Infrastructure):				20,000	$M Total	
Cogeneration				0	$M Total	
Facility Maintenance Capital		1%	of facility capital per yr	432,108	$M Total	
			Spent to Date:	0	$M Total	
			Forecast Facility Capital:	1,918,954	$M Total	
Forecast Well Capital						Start Year / wells
Drill, complete producer/inj. pair:		3,700	$M / well pair	299,700	$M Total	81
Drill, complete/pair inc. 10% reduction:		3,350	$M / well pair	1,815,700	$M Total	2019 542
Drill, complete infill:		2,100	$M / well pair	1,308,300	$M Total	623
Well pad construction, facil., piping:		2,800	$M / well pair	1,744,400	$M Total	623
Downhole Pumps:		300	$M / well pair	373,800	$M Total	1246
Additional Core holes:	117	400	$M / core-hole	46,800	$M Total	
Well Sustaining Capital:		150	$M/well pair per prod'g yr	862,050	$M Total	
			Total Remaining Capital:	8,369,704	$M Total Forecast	
Previously Spent Well Capital:				0	$M Total	

	Well Pairs			Infill Wells																Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	6	0	0	7	0	0	0	0	0.00	0	0.00	0	0	0	3.80	0.00	0	0	0	0	0	0	0	0	0	0	0
2012	6	0	0	7	0	0	0	0	0.00	0	0.00	0	0	0	4.26	0.00	0	0	0	0	0	0	0	0	6528	27642	34170
2013	6	0	0	7	0	0	0	0	0.00	0	0.00	0	0	0	4.49	0.00	0	0	0	0	0	0	0	0	6659	81567	88226
2014	6	0	0	7	0	0	0	0	0.00	0	0.00	0	0	0	4.94	0.00	0	0	0	0	0	0	0	0	75770	181467	257237
2015	6	10	10	7	0	0	2000	13824	6.91	13824	6.91	5679	150	230	5.40	0.00	0	0	0	0	11194	39097	5001	55293	105429	219631	325059
2016	6	14	24	7	0	0	6200	31103	5.02	31103	5.02	12906	465	518	5.85	0.00	0	0	0	0	27558	33407	12026	72991	14243	318231	332474
2017	6	1	25	7	0	0	8960	31656	3.53	31656	3.53	13334	672	528	6.31	0.00	0	0	0	0	30711	24663	13356	68730	369269	166420	535688
2018	6	49	74	7	0	0	19170	100118	5.22	100118	5.22	41485	1438	1669	6.74	0.00	0	0	0	0	102057	100568	40011	242636	88564	184651	273215
2019	6	7	81	7	10	10	27385	95547	3.49	95547	3.49	40273	2054	1592	6.87	0.00	0	0	0	0	100986	88804	42058	231849	44347	355196	399543
2020	6	1	82	7	14	24	31467	100700	3.20	100700	3.20	42640	2360	1678	7.01	0.00	0	0	0	0	109101	75613	46122	230836	468417	195697	664113
2021	6	61	143	7	1	25	39449	168553	4.27	168553	4.27	70380	2959	2809	7.15	0.00	0	0	0	0	183679	160078	74038	417795	244104	80593	324697
2022	6	15	158	7	49	74	52382	160863	3.07	160863	3.07	68274	3929	2681	7.29	0.00	0	0	0	0	181746	155226	77422	414395	69753	54607	124360
2023	6	6	154	7	7	71	52371	160537	3.07	160537	3.07	68143	3928	2676	7.44	0.00	0	0	0	0	185025	139160	78845	403030	143248	54653	197901
2024	6	15	155	7	1	58	46783	144399	3.09	144399	3.09	61268	3509	2407	7.59	0.00	0	0	0	0	169686	140577	72216	382478	341706	54679	396385
2025	2	19	173	7	61	118	52437	150822	2.88	150822	2.88	64262	3933	2514	7.74	0.00	0	0	0	0	181536	155549	78313	415398	127857	65273	193130
2026	2	10	134	7	15	84	42566	131370	3.09	131370	3.09	55740	3192	2189	7.89	0.00	0	0	0	0	160613	144189	68356	373158	453827	55273	509100
2027	28	52	179	7	6	83	46876	168912	3.60	168912	3.60	71080	3516	2815	8.05	0.00	0	0	0	0	208911	158802	86499	454212	194386	65542	259928
2028	28	14	192	7	15	97	51238	168752	3.29	168752	3.29	71344	3843	2813	8.21	0.00	0	0	0	0	213878	167355	89947	471180	273047	71053	344100
2029	28	24	155	3	19	55	46146	168965	3.66	168965	3.66	71047	3461	2816	8.38	0.00	0	0	0	0	217248	154797	89711	461756	230519	60048	290567
2030	28	20	160	3	10	50	44647	160398	3.59	160398	3.59	67508	3349	2673	8.55	0.00	0	0	0	0	210555	158592	87224	456370	377824	61796	439620
2031	28	23	177	29	52	96	50551	168055	3.32	168055	3.32	71013	3791	2801	8.72	0.00	0	0	0	0	225919	173176	94853	493948	273043	71947	344990
2032	28	23	166	29	14	95	47808	168799	3.53	168799	3.53	71105	3586	2813	8.89	0.00	0	0	0	0	230735	173293	95864	499892	267136	70772	337908
2033	28	19	175	29	24	100	48703	168914	3.47	168914	3.47	71218	3653	2815	9.07	0.00	0	0	0	0	235725	180172	98238	514135	375441	74854	450295
2034	28	29	152	29	20	110	47085	168561	3.58	168561	3.58	70956	3531	2809	9.25	0.00	0	0	0	0	239553	178326	99295	517174	297324	72093	369418
2035	28	21	159	29	23	81	46725	168177	3.60	168177	3.60	70775	3504	2803	9.43	0.00	0	0	0	0	243721	179576	100932	524229	316058	71726	387784
2036	28	22	157	29	23	90	47550	168497	3.54	168497	3.54	70965	3566	2808	9.62	0.00	0	0	0	0	249263	183955	103499	536717	321641	73776	395416
2037	28	23	160	29	19	85	47023	169066	3.60	169066	3.60	71153	3527	2818	9.82	0.00	0	0	0	0	254922	187795	105589	548306	350414	75377	425790
2038	28	22	159	29	29	94	47838	168265	3.52	168265	3.52	70894	3588	2804	10.01	0.00	0	0	0	0	259073	192698	107708	559479	339756	77780	417536
2039	28	23	159	29	21	92	47340	168004	3.55	168004	3.55	70752	3550	2800	10.21	0.00	0	0	0	0	263727	196218	109476	569421	348640	79075	427715
2040	28	23	163	29	22	91	47495	169199	3.56	169199	3.56	71242	3562	2820	10.42	0.00	0	0	0	0	270862	201335	112366	584563	331373	81588	412961
2041	28	20	154	29	23	95	46755	163825	3.50	163825	3.50	69037	3507	2730	10.62	0.00	0	0	0	0	267729	202927	111380	582036	408371	81318	489690
2042	25	27	160	29	22	88	46649	168881	3.62	168881	3.62	71051	3499	2815	10.84	0.00	0	0	0	0	281051	207873	116277	605201	159632	83638	243269
2043	25	4	142	29	23	90	43516	143433	3.30	143433	3.30	60637	3264	2391	11.05	0.00	0	0	0	0	244653	192274	102875	539802	416672	77784	494456
2044	22	26	145	29	23	91	41350	144762	3.50	144762	3.50	61006	3101	2413	11.28	0.00	0	0	0	0	251066	197126	104463	552656	108991	80292	189282
2045	22	0	123	29	20	88	35852	116224	3.24	116224	3.24	49178	2689	1937	11.50	0.00	0	0	0	0	206438	179797	87066	473302	127052	72501	199553
2046	22	0	100	26	27	93	30363	90222	2.97	90222	2.97	38366	2277	1504	11.73	0.00	0	0	0	0	164272	162458	70418	397148	46197	65189	111386
2047	22	0	77	26	4	74	20612	61081	2.96	61081	2.96	25978	1546	1018	11.97	0.00	0	0	0	0	113455	133813	48660	295927	123617	52715	176332
2048	22	0	57	23	26	77	15393	38987	2.53	38987	2.53	16749	1154	650	12.20	0.00	0	0	0	0	74613	112354	33039	220005	16854	44646	61500
2049	22	0	30	23	0	57	8195	18243	2.23	18243	2.23	7912	615	304	12.45	0.00	0	0	0	0	35950	76611	16384	128944	2547	29178	31725
2050	22	0	0	23	0	30	2570	2570	1.00	2570	1.00	1221	193	43	12.70	0.00	0	0	0	0	5657	29968	3249	38874	16885	9617	26502
2051	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	12.95	0.00	0	0	0	0	0	0	0	0	0	0	0
2052	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	13.21	0.00	0	0	0	0	0	0	0	0	0	0	0
2053	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	13.47	0.00	0	0	0	0	0	0	0	0	0	0	0
2054	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	13.74	0.00	0	0	0	0	0	0	0	0	0	0	0
2055	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	14.02	0.00	0	0	0	0	0	0	0	0	0	0	0
2056	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	14.30	0.00	0	0	0	0	0	0	0	0	0	0	0
2057	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	14.59	0.00	0	0	0	0	0	0	0	0	0	0	0
2058	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	14.88	0.00	0	0	0	0	0	0	0	0	0	0	0
2059	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	15.17	0.00	0	0	0	0	0	0	0	0	0	0	0
2060	22	0	0	23	0	0	0	0	0.00	0	0.00	0	0	0	15.48	0.00	0	0	0	0	0	0	0	0	0	0	0
Totals		**623**			**623**		**488899**	**1675453**	**3.43**	**1675453**		**706848**	**36667**								**6412870**	**5238218**	**2682777**	**14333865**	**8283139**	**3699881**	**11983020**

Table 3.5
SAGD PRODUCTION AND EXPENSE FORECAST
Thickwood
Probable Plus Possible Reserves Plus High Estimate Contingent Resources

Project Specifications

Bitumen production:	60,000	bopd					
Steam injection:	198,000	bbls/day (cwe)					
	3,300	mmbtu/hr					
Steam Efficiency:	0.40	mcf/stb					
Facility SOR:	3.3						
		Typecurve					
		13	9	40	34	37	
Well Pair Count:	724	188	36	402	56	42	
		14	10	41	35	38	
Infill Count:	724	188	36	402	56	42	
total:	1,448						
NCG Gas Injection	75	scf/stb average production					

Operating Costs (In 2011 $)

Battery:	18,454	$M / yr	5% of plant capital
	308	$M / yr per mstb/day installed capacity	
Steamer:	61,071	$M / yr	5% of plant capital
	18.5	$M / mmbtu/hr per yr installed capacity	
Oil Well:	16,000	$ / well-month	
Oil:	0.80	$ / stb	
Water:	0.80	$ / stb	
Fuel:	At cost: Alberta Spot Plant Gate + $0.10 /mcf		
Inflation:	2%	per year	

Capital Costs (In 2011 $; Facilities, future wells, sustaining)

Total Facility and Infrastructure Capital						
Oil treating facility (battery):	6,151	$M / mbbl oil per day	369,073	$M Total		
Steam gen, filtration, water handling:	6,169	$M / mbbl steam per day	1,221,418	$M Total		
Other facility capital (Infrastructure):			20,000	$M Total		
Cogeneration			0	$M Total		
Facility Maintenance Capital	1%	of facility capital per yr	502,660	$M Total		
		Spent to Date:	0	$M Total		
		Forecast Facility Capital:	2,113,152	$M Total		
Forecast Well Capital					Start Year	wells
Drill, complete producer/inj. pair:	3,700	$M / well pair	288,600	$M Total		78
Drill, complete/pair inc. 10% reduction:	3,350	$M / well pair	2,164,100	$M Total	2019	646
Drill, complete infill:	2,100	$M / well pair	1,520,400	$M Total		724
Well pad construction, facil., piping:	2,800	$M / well pair	2,027,200	$M Total		724
Downhole Pumps:	300	$M / well pair	434,400	$M Total		1448
Additional Core holes: 146	400	$M / core-hole	58,400	$M Total		
Well Sustaining Capital:	150	$M/well pair per prod'g yr	1,119,900	$M Total		
		Total Remaining Capital:	9,726,152	$M Total Forecast		
Previously Spent Well Capital:			0	$M Total		

	Well Pairs			Infill Wells																	Operating Costs (Escalated)				Capital Costs (Escalated)		
Year	Well Type	Well Development Schedule	Producing Well Count	Well Type	Well Development Schedule	Producing Well Count	Bitumen Rate BOPD	Steam Injection BPD	Annual SOR	Water Production BPD	Annual WOR	Fuel Gas MCFD	NCG Injection MCFD	Steam Generator MMBTU/hr	Gas Price $/MCF	Power Sales Pr. $/MW.h	# Cogen Units	Power Sales MW.h	CoGen Fuel MCFD	Op. Cost Reduction $M	Fuel $M	Fixed $M	Variable $M	Total $M	Wells $M	Facilities $M	Total $M
2011	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	3.80	0.00	0	0	0	0	0	0	0	0	0	0	0
2012	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.26	0.00	0	0	0	0	0	0	0	0	6936	27642	34578
2013	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.49	0.00	0	0	0	0	0	0	0	0	7075	81567	88642
2014	13	0	0	14	0	0	0	0	0.00	0	0.00	0	0	0	4.94	0.00	0	0	0	0	0	0	0	0	76195	181467	257661
2015	13	10	10	14	0	0	2125	14242	6.70	14242	6.70	5856	159	237	5.40	0.00	0	0	0	0	11543	39097	5173	55813	105862	233014	338876
2016	13	14	24	14	0	0	6588	32045	4.86	32045	4.86	13312	494	534	5.85	0.00	0	0	0	0	28425	33407	12455	74287	14684	352360	367044
2017	13	1	25	14	0	0	9520	32615	3.43	32615	3.43	13760	714	544	6.31	0.00	0	0	0	0	31691	24663	13856	70210	398999	183825	582824
2018	13	53	78	14	0	0	21271	109025	5.13	109025	5.13	45205	1595	1817	6.74	0.00	0	0	0	0	111209	108551	43703	263464	36758	203804	240562
2019	13	0	78	14	10	10	29246	94011	3.21	94011	3.21	39798	2193	1567	6.87	0.00	0	0	0	0	99795	93562	42169	235527	86000	391610	477610
2020	13	6	84	14	14	24	33926	109217	3.22	109217	3.22	46231	2544	1820	7.01	0.00	0	0	0	0	118289	79766	49952	248007	504030	215265	719295
2021	13	65	149	14	1	25	43527	184859	4.25	184859	4.25	77208	3265	3081	7.15	0.00	0	0	0	0	201500	172786	81293	455580	281771	86966	368736
2022	13	19	168	14	53	78	60026	185720	3.09	185720	3.09	78790	4502	3095	7.29	0.00	0	0	0	0	209740	167700	89222	466662	68634	58383	127017
2023	13	8	176	14	0	78	61440	185977	3.03	185977	3.03	78999	4608	3100	7.44	0.00	0	0	0	0	214503	153209	91625	459337	134687	61072	195759
2024	13	12	178	14	6	74	56751	178455	3.14	178455	3.14	75638	4256	2974	7.59	0.00	0	0	0	0	209485	156274	88845	454604	467057	62294	529350
2025	9	33	197	14	65	125	62851	185052	2.94	185052	2.94	78735	4714	3084	7.74	0.00	0	0	0	0	222422	170673	95514	488608	80158	72347	152505
2026	9	3	199	14	19	143	59366	158953	2.68	158953	2.68	68034	4452	2649	7.89	0.00	0	0	0	0	196036	176929	85798	458763	377516	76015	453531
2027	40	42	188	14	8	98	53437	185308	3.47	185308	3.47	78131	4008	3088	8.05	0.00	0	0	0	0	229633	171637	95702	496973	311348	70637	381984
2028	40	28	216	14	12	110	56846	184983	3.25	184983	3.25	78257	4263	3083	8.21	0.00	0	0	0	0	234603	184211	98877	517692	356011	79191	435202
2029	40	29	239	10	33	137	62852	177712	2.83	177712	2.83	75799	4714	2962	8.38	0.00	0	0	0	0	231779	197904	100326	530010	276366	88594	364960
2030	40	28	202	10	3	75	56077	185036	3.30	185036	3.30	78220	4206	3084	8.55	0.00	0	0	0	0	243967	182842	102567	529376	369957	75506	445464
2031	40	25	208	41	42	98	61161	185286	3.03	185286	3.03	78702	4587	3088	8.72	0.00	0	0	0	0	250378	191492	106933	548803	279507	80917	360424
2032	40	18	218	41	28	118	62865	185078	2.94	185078	2.94	78746	4715	3085	8.89	0.00	0	0	0	0	255530	201142	109733	566406	330112	87082	417195
2033	40	24	197	41	29	102	60005	186102	3.10	186102	3.10	78941	4500	3102	9.07	0.00	0	0	0	0	261286	196557	111099	568942	340657	82099	422756
2034	40	23	217	41	28	127	62449	186030	2.98	186030	2.98	79096	4684	3101	9.25	0.00	0	0	0	0	267034	210328	114413	591775	405184	91428	496613
2035	40	31	206	41	25	110	59559	184872	3.10	184872	3.10	78416	4467	3081	9.43	0.00	0	0	0	0	270033	208512	114800	593346	343562	88552	432115
2036	40	26	204	41	18	100	58977	185084	3.14	185084	3.14	78457	4423	3085	9.62	0.00	0	0	0	0	275578	210478	116919	602974	390300	88601	478901
2037	40	28	203	41	24	95	59670	184911	3.10	184911	3.10	78440	4475	3082	9.82	0.00	0	0	0	0	281029	213563	119512	614103	355936	89494	445430
2038	40	24	199	41	23	90	59444	186060	3.13	186060	3.13	78883	4458	3101	10.01	0.00	0	0	0	0	288267	215704	122362	626333	385586	89620	475206
2039	40	24	198	41	31	96	60262	185712	3.08	185712	3.08	78805	4520	3095	10.21	0.00	0	0	0	0	293742	220686	125048	639476	368488	91935	460422
2040	40	23	203	41	26	104	60696	185745	3.06	185745	3.06	78850	4552	3096	10.42	0.00	0	0	0	0	299790	228169	127791	655750	402495	96171	498666
2041	40	25	204	41	28	108	60465	185156	3.06	185156	3.06	78597	4535	3086	10.62	0.00	0	0	0	0	304805	233775	129913	668493	165740	98909	264649
2042	40	4	185	41	24	109	56168	155878	2.78	155878	2.78	66564	4213	2598	10.84	0.00	0	0	0	0	263302	231888	114398	609588	733862	95760	829623
2043	34	54	208	41	24	102	56847	185481	3.26	185481	3.26	78456	4263	3091	11.05	0.00	0	0	0	0	316549	243582	133349	693480	144167	103188	247355
2044	34	2	184	41	23	99	54316	165097	3.04	165097	3.04	70113	4074	2752	11.28	0.00	0	0	0	0	288543	239042	123155	650740	353498	97899	451397
2045	37	20	176	41	25	96	52475	185099	3.53	185099	3.53	77975	3936	3085	11.50	0.00	0	0	0	0	327319	233947	136015	697281	327629	95803	423432
2046	37	22	174	41	4	76	46434	160793	3.46	160793	3.46	67800	3483	2680	11.73	0.00	0	0	0	0	290298	223938	121014	635250	241787	92103	333890
2047	37	0	150	35	54	106	44688	117975	2.64	117975	2.64	50542	3352	1966	11.97	0.00	0	0	0	0	220732	208315	96890	525936	36106	87876	123982
2048	37	0	127	35	2	85	33181	82269	2.48	82269	2.48	35396	2489	1371	12.20	0.00	0	0	0	0	157678	178400	70143	406221	103618	75039	178657
2049	37	0	102	38	20	80	23789	59379	2.50	59379	2.50	25536	1784	990	12.45	0.00	0	0	0	0	116029	153687	51540	321256	132431	64370	196801
2050	37	0	44	38	22	98	16735	38744	2.32	38744	2.32	16753	1255	646	12.70	0.00	0	0	0	0	77642	118483	35068	231194	1299	46164	47463
2051	37	0	42	38	0	44	9985	21200	2.12	21200	2.12	9229	749	353	12.95	0.00	0	0	0	0	43629	88181	20107	151916	13248	33407	46655
2052	37	0	42	38	0	42	7276	10677	1.47	10677	1.47	4817	546	178	13.21	0.00	0	0	0	0	23225	74489	11807	109520	14865	30733	45597
2053	37	0	22	38	0	22	3215	4663	1.45	4663	1.45	2106	241	78	13.47	0.00	0	0	0	0	10360	46479	5285	62123	0	17756	17756
2054	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	13.74	0.00	0	0	0	0	0	0	0	0	0	0	0
2055	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	14.02	0.00	0	0	0	0	0	0	0	0	0	0	0
2056	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	14.30	0.00	0	0	0	0	0	0	0	0	0	0	0
2057	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	14.59	0.00	0	0	0	0	0	0	0	0	0	0	0
2058	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	14.88	0.00	0	0	0	0	0	0	0	0	0	0	0
2059	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	15.17	0.00	0	0	0	0	0	0	0	0	0	0	0
2060	37	0	0	38	0	0	0	0	0.00	0	0.00	0	0	0	15.48	0.00	0	0	0	0	0	0	0	0	0	0	0
Totals		**724**			**724**		**637476**	**1982134**	**3.11**	**1982134**		**840664**	**47811**								**7777397**	**6484047**	**3314373**	**17575817**	**9830121**	**4426464**	**14256585**

Table 4
Bitumen Netback Pricing - Diluent Blending
GLJ - October 1, 2011 Pricing Assumptions

	Oil Sands Inflation %	Bank of Canada Average Noon Rate $US/$Cdn	West Texas Intermediate Crude Oil at Cushing Oklahoma Current $US/bbl	Light, Sweet Crude Oil (40 API, 0.3%S) at Edmonton Current $Cdn/bbl	LLB Crude Oil Stream Quality at Hardisty Current $Cdn/bbl	Dil-bit Quality Differential Current $Cdn/bbl	Dil-bit Stream Quality at Hardisty Current $Cdn/bbl	Edmonton Pentanes Plus $Cdn/bbl	Diluent Transp. & Postings+ $Cdn/bbl	Diluent at Field Current $Cdn/bbl	Transportation Current $Cdn/bbl	Bitumen Wellhead Current $Cdn/bbl
2011 Q4	2.0	0.980	85.00	91.84	71.17	-6.00	65.17	100.10	6.00	106.10	3.50	48.34
2012	2.0	0.980	90.00	94.39	74.09	-5.25	68.84	97.22	6.00	103.22	3.50	53.98
2013	2.0	0.980	95.00	96.94	78.04	-4.50	73.54	98.88	6.00	104.88	3.50	59.59
2014	2.0	0.980	100.00	101.02	81.32	-4.00	77.32	103.04	6.00	109.04	3.50	63.25
2015	2.0	0.980	100.00	101.02	81.32	-3.75	77.57	103.04	6.00	109.04	3.50	63.58
2016	2.0	0.980	100.00	101.02	81.32	-1.28	80.05	103.04	6.00	109.04	2.75	63.68
2017	2.0	0.980	101.36	102.41	82.44	-1.30	81.14	104.46	6.00	110.46	2.75	64.63
2018	2.0	0.980	103.38	104.47	84.10	-1.33	82.77	106.56	6.00	112.56	2.25	66.78
2019	2.0	0.980	105.45	106.58	85.80	-1.35	84.45	108.71	6.00	114.71	2.25	68.25
2020	2.0	0.980	107.56	108.73	87.53	-1.38	86.15	110.91	6.00	116.91	1.75	70.45
2021	2.0	0.980	109.71	110.90	89.28	-1.41	87.87	113.13	6.00	119.13	1.75	71.96
2022	2.0	0.980	111.91	113.12	91.07	-1.44	89.63	115.39	6.00	121.39	1.75	73.50
2023	2.0	0.980	114.14	115.39	92.89	-1.46	91.42	117.70	6.00	123.70	1.75	75.08
2024+	2.0	0.980	+2.0%/yr	+2.0%/yr	+2.0%/yr			+2.0%/yr		+2.0%/yr		+2.0%/yr

Notes: Blending Ratio - Trucking = 1bbl bitumen: 0.3bbl Diluent (2011-2015)
Blending Ratio - Pipeline = 1bbl bitumen: 0.429bbl Diluent (2016+)

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **Proved Plus Probable**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	10	2,000	2,000	730	680	63.58
2016	24	6,200	6,200	2,263	2,109	63.68
2017	25	8,960	8,960	3,270	3,043	64.63
2018	25	9,370	9,370	3,420	3,173	66.78
2019	38	9,925	9,925	3,623	3,352	68.25
2020	52	10,307	10,307	3,762	3,471	70.45
2021	62	10,302	10,302	3,760	3,459	71.96
2022	65	10,330	10,330	3,770	3,458	73.50
2023	55	10,156	10,156	3,707	3,176	75.08
2024	32	8,808	8,808	3,215	2,637	76.58
2025	41	10,374	10,374	3,786	2,960	78.11
2026	47	10,341	10,341	3,775	3,055	79.67
2027	52	10,376	10,376	3,787	2,953	81.26
2028	59	10,368	10,368	3,784	3,140	82.89
2029	51	9,602	9,602	3,505	2,887	84.55
2030	53	10,314	10,314	3,765	2,976	86.24
2031	46	10,224	10,224	3,732	2,962	87.96
2032	42	9,771	9,771	3,566	2,897	89.72
2033	49	10,356	10,356	3,780	3,064	91.52
2034	53	10,496	10,496	3,831	3,085	93.35
2035	53	10,433	10,433	3,808	2,967	95.21
2036	55	10,470	10,470	3,822	3,108	97.12
2037	48	9,783	9,783	3,571	2,906	99.06
2038	47	9,916	9,916	3,619	2,880	101.04
2039	49	10,186	10,186	3,718	2,980	103.06
2040	48	9,882	9,882	3,607	2,935	105.12
2041	52	10,352	10,352	3,778	3,053	107.23
2042	51	10,379	10,379	3,788	3,017	109.37
2043	48	10,169	10,169	3,712	2,947	111.56
2044	52	10,462	10,462	3,819	3,078	113.79
2045	49	10,063	10,063	3,673	3,004	116.06
2046	51	10,395	10,395	3,794	2,991	118.39
2047	52	10,491	10,491	3,829	3,031	120.75
2048	49	10,023	10,023	3,658	2,991	123.17
2049	51	10,215	10,215	3,729	2,999	125.63
2050	50	10,269	10,269	3,748	3,020	128.14
2051	50	10,348	10,348	3,777	2,986	130.71
2052	51	10,388	10,388	3,792	3,075	133.32
2053	51	10,404	10,404	3,798	3,037	135.99
2054	49	10,198	10,198	3,722	2,948	138.71
2055	51	10,302	10,302	3,760	2,856	141.48
2056	47	9,285	9,285	3,389	2,895	144.31
2057	50	9,307	9,307	3,397	2,826	147.20
2058	51	9,601	9,601	3,505	2,794	150.14
2059	47	9,454	9,454	3,451	2,783	153.14
2060	46	8,829	8,829	3,223	2,455	156.21
Tot.				**164,317**	**135,100**	**104.29**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	46	0	0	46	0	46	3	0	0	0	3	43	50	5	55
2016	144	0	0	144	0	144	10	0	0	0	10	134	61	12	73
2017	211	0	0	211	0	211	15	0	0	0	15	197	55	13	69
2018	228	0	0	228	0	228	16	0	0	0	16	212	59	14	73
2019	247	0	0	247	0	247	18	0	0	0	18	229	62	14	76
2020	265	0	0	265	0	265	21	0	0	0	21	245	59	13	72
2021	271	0	0	271	0	271	22	0	0	0	22	249	68	15	83
2022	277	0	0	277	0	277	23	0	0	0	23	254	64	13	77
2023	278	0	0	278	0	278	40	0	0	0	40	238	71	16	86
2024	246	0	0	246	0	246	44	0	0	0	44	202	67	16	83
2025	296	0	0	296	0	296	65	0	0	0	65	231	70	16	86
2026	301	0	0	301	0	301	57	0	0	0	57	243	73	17	90
2027	308	0	0	308	0	308	68	0	0	0	68	240	73	16	89
2028	314	0	0	314	0	314	53	0	0	0	53	260	72	16	88
2029	296	0	0	296	0	296	52	0	0	0	52	244	77	17	94
2030	325	0	0	325	0	325	68	0	0	0	68	257	80	18	98
2031	328	0	0	328	0	328	68	0	0	0	68	261	80	18	98
2032	320	0	0	320	0	320	60	0	0	0	60	260	81	19	99
2033	346	0	0	346	0	346	65	0	0	0	65	280	82	19	101
2034	358	0	0	358	0	358	70	0	0	0	70	288	87	20	107
2035	363	0	0	363	0	363	80	0	0	0	80	282	88	20	108
2036	371	0	0	371	0	371	69	0	0	0	69	302	86	19	105
2037	354	0	0	354	0	354	66	0	0	0	66	288	90	20	111
2038	366	0	0	366	0	366	75	0	0	0	75	291	90	20	110
2039	383	0	0	383	0	383	76	0	0	0	76	307	90	21	111
2040	379	0	0	379	0	379	71	0	0	0	71	309	94	21	115
2041	405	0	0	405	0	405	78	0	0	0	78	327	96	22	118
2042	414	0	0	414	0	414	84	0	0	0	84	330	101	23	124
2043	414	0	0	414	0	414	85	0	0	0	85	329	100	23	123
2044	435	0	0	435	0	435	84	0	0	0	84	350	102	23	125
2045	426	0	0	426	0	426	78	0	0	0	78	349	105	24	129
2046	449	0	0	449	0	449	95	0	0	0	95	354	109	25	134
2047	462	0	0	462	0	462	96	0	0	0	96	366	108	25	133
2048	451	0	0	451	0	451	82	0	0	0	82	368	109	25	133
2049	468	0	0	468	0	468	92	0	0	0	92	377	114	26	140
2050	480	0	0	480	0	480	93	0	0	0	93	387	115	26	142
2051	494	0	0	494	0	494	103	0	0	0	103	390	120	28	148
2052	505	0	0	505	0	505	96	0	0	0	96	410	119	27	146
2053	516	0	0	516	0	516	103	0	0	0	103	413	125	29	154
2054	516	0	0	516	0	516	107	0	0	0	107	409	124	29	153
2055	532	0	0	532	0	532	128	0	0	0	128	404	124	28	153
2056	489	0	0	489	0	489	71	0	0	0	71	418	113	25	138
2057	500	0	0	500	0	500	84	0	0	0	84	416	133	30	163
2058	526	0	0	526	0	526	107	0	0	0	107	420	138	31	169
2059	528	0	0	528	0	528	102	0	0	0	102	426	138	32	170
2060	503	0	0	503	0	503	120	0	0	0	120	383	140	32	172
Tot.	**17,137**	**0**	**0**	**17,137**	**0**	**17,137**	**3,165**	**0**	**0**	**0**	**3,165**	**13,973**	**4,260**	**963**	**5,223**
Disc	2,008	0	0	2,008	0	2,008	290	0	0	0	290	1,718	537	117	654

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	28	28	-28	-28	-27
2013	0	0	0	0	0	0	0	0	0	82	82	-82	-111	-98
2014	0	0	0	0	0	0	0	42	0	209	251	-251	-362	-294
2015	0	0	0	-12	0	0	-12	59	0	137	196	-208	-571	-442
2016	0	0	0	61	0	0	61	4	0	11	15	46	-524	-412
2017	0	0	0	128	0	0	128	2	0	9	11	116	-408	-344
2018	0	0	0	139	0	0	139	31	0	29	60	80	-328	-301
2019	0	0	0	152	0	0	152	21	0	24	45	108	-220	-249
2020	0	0	0	172	0	0	172	41	0	39	80	93	-128	-208
2021	0	0	0	166	0	0	166	16	0	24	40	126	-2	-158
2022	0	0	0	177	0	6	171	40	0	41	81	90	88	-125
2023	0	0	0	152	0	9	143	26	0	30	56	87	175	-96
2024	0	0	0	119	0	1	118	25	0	27	52	66	242	-76
2025	0	0	0	145	0	0	145	22	0	26	48	97	338	-50
2026	0	0	0	154	0	2	152	33	0	35	67	84	422	-29
2027	0	0	0	151	0	0	151	21	0	28	49	102	524	-6
2028	0	0	0	172	0	6	166	46	0	46	92	74	598	10
2029	0	0	0	150	0	2	148	35	0	37	72	76	674	24
2030	0	0	0	159	0	5	154	25	0	32	57	97	771	40
2031	0	0	0	163	0	4	159	28	0	33	61	98	869	55
2032	0	0	0	161	0	2	159	34	0	36	71	89	958	68
2033	0	0	0	180	0	2	178	40	0	41	82	96	1,053	80
2034	0	0	0	181	0	3	178	37	0	40	77	101	1,155	92
2035	0	0	0	175	0	2	173	23	0	32	55	119	1,273	104
2036	0	0	0	196	0	7	190	45	0	47	92	97	1,371	114
2037	0	0	0	177	0	4	173	38	0	41	79	95	1,465	122
2038	0	0	0	181	0	3	178	31	0	37	68	110	1,575	131
2039	0	0	0	196	0	3	192	39	0	42	82	111	1,685	139
2040	0	0	0	193	0	3	191	43	0	45	87	103	1,789	145
2041	0	0	0	210	0	5	205	45	0	48	93	112	1,901	152
2042	0	0	0	206	0	5	201	37	0	42	79	122	2,023	159
2043	0	0	0	206	0	2	204	36	0	42	78	126	2,149	165
2044	0	0	0	225	0	6	220	48	0	51	99	121	2,269	170
2045	0	0	0	220	0	4	216	51	0	53	104	112	2,382	175
2046	0	0	0	221	0	3	218	35	0	43	78	140	2,522	180
2047	0	0	0	233	0	5	228	41	0	47	88	139	2,661	185
2048	0	0	0	235	0	4	231	55	0	56	112	119	2,780	189
2049	0	0	0	237	0	5	232	47	0	52	99	132	2,912	192
2050	0	0	0	245	0	4	241	51	0	55	105	136	3,048	196
2051	0	0	0	242	0	3	239	40	0	48	87	152	3,200	199
2052	0	0	0	264	0	6	258	59	0	61	121	138	3,337	202
2053	0	0	0	259	0	6	253	49	0	55	104	149	3,487	205
2054	0	0	0	256	0	4	252	44	0	51	95	158	3,644	208
2055	0	0	0	252	0	5	247	22	0	38	60	187	3,831	210
2056	0	0	0	280	0	6	274	91	0	82	173	101	3,932	212
2057	0	0	0	253	0	5	248	62	0	65	127	121	4,053	213
2058	0	0	0	250	0	6	244	39	0	51	90	154	4,207	215
2059	0	0	0	256	0	4	253	47	0	56	103	149	4,356	217
2060	0	0	0	211	0	30	181	4	0	27	31	150	4,506	218
Tot.	**0**	**0**	**0**	**8,749**	**0**	**180**	**8,569**	**1,754**	**0**	**2,309**	**4,063**	**4,506**	**4,506**	**218**
Disc	0	0	0	1,065	0	14	1,050	263	0	569	832	218	218	218

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	164,317	164,317	0	164,317	135,100	1.000	164,317	100	49.1	225.1	27.6
Total: Oil Eq.	Mboe	164,317	164,317	0	164,317	135,100	1.000	164,317	100	49.1	225.1	27.6

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,973	100	1,718	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,973	100	1,718	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	18.4659
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue M$	Operating Income M$	Capital Invest. M$	Cash Flow M$	Cash Flow $/boe
0.0	8,749,244	8,568,945	4,062,910	4,506,035	27.42
5.0	2,522,011	2,480,116	1,473,935	1,006,181	6.12
8.0	1,449,382	1,428,125	1,006,706	421,419	2.56
10.0	1,064,620	1,050,200	831,838	218,362	1.33
12.0	811,969	801,785	712,177	89,608	0.55
15.0	570,715	564,308	590,929	-26,621	-0.16
20.0	350,056	346,760	467,285	-120,525	-0.73

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 13:15:35

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **PPP**
Development Class: **Total**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	10	2,125	2,125	776	723	63.58
2016	24	6,588	6,588	2,404	2,241	63.68
2017	25	9,520	9,520	3,475	3,233	64.63
2018	32	11,496	11,496	4,196	3,893	66.78
2019	49	14,116	14,116	5,152	4,767	68.25
2020	63	15,630	15,630	5,705	5,263	70.45
2021	71	15,001	15,001	5,475	5,037	71.96
2022	84	15,656	15,656	5,714	5,241	73.50
2023	92	15,629	15,629	5,705	4,728	75.08
2024	84	14,741	14,741	5,380	4,365	76.58
2025	70	15,066	15,066	5,499	4,094	78.11
2026	74	15,653	15,653	5,713	4,530	79.67
2027	69	14,600	14,600	5,329	4,256	81.26
2028	73	15,525	15,525	5,667	4,229	82.89
2029	81	15,674	15,674	5,721	4,613	84.55
2030	77	14,755	14,755	5,386	4,316	86.24
2031	79	15,604	15,604	5,695	4,217	87.96
2032	83	15,574	15,574	5,685	4,589	89.72
2033	70	14,127	14,127	5,156	4,190	91.52
2034	73	15,395	15,395	5,619	4,165	93.35
2035	79	15,689	15,689	5,727	4,577	95.21
2036	72	14,468	14,468	5,281	4,236	97.12
2037	76	15,412	15,412	5,625	4,203	99.06
2038	82	15,614	15,614	5,699	4,600	101.04
2039	72	14,389	14,389	5,252	4,220	103.06
2040	75	15,487	15,487	5,653	4,187	105.12
2041	81	15,605	15,605	5,696	4,596	107.23
2042	72	14,393	14,393	5,253	4,218	109.37
2043	74	15,387	15,387	5,616	4,197	111.56
2044	81	15,698	15,698	5,730	4,586	113.79
2045	72	14,405	14,405	5,258	4,251	116.06
2046	77	15,680	15,680	5,723	4,231	118.39
2047	81	15,683	15,683	5,724	4,305	120.75
2048	65	13,069	13,069	4,770	4,145	123.17
2049	76	14,158	14,158	5,168	4,099	125.63
2050	88	15,644	15,644	5,710	4,471	128.14
2051	74	14,510	14,510	5,296	4,299	130.71
2052	72	14,084	14,084	5,141	4,052	133.32
2053	88	15,100	15,100	5,511	4,098	135.99
2054	75	12,647	12,647	4,616	3,452	138.71
2055	67	10,130	10,130	3,698	2,779	141.48
2056	74	8,594	8,594	3,137	2,347	144.31
2057	44	5,062	5,062	1,848	1,407	147.20
2058	34	3,236	3,236	1,181	919	150.14
2059	22	1,772	1,772	647	517	153.14
2060	8	574	574	210	180	156.21
Tot.				**218,623**	**175,867**	**100.27**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	49	0	0	49	0	49	3	0	0	0	3	46	51	5	56
2016	153	0	0	153	0	153	10	0	0	0	10	143	62	12	74
2017	225	0	0	225	0	225	16	0	0	0	16	209	56	14	70
2018	280	0	0	280	0	280	20	0	0	0	20	260	96	18	115
2019	352	0	0	352	0	352	26	0	0	0	26	325	100	21	121
2020	402	0	0	402	0	402	31	0	0	0	31	371	92	21	113
2021	394	0	0	394	0	394	32	0	0	0	32	362	100	22	123
2022	420	0	0	420	0	420	35	0	0	0	35	385	103	22	125
2023	428	0	0	428	0	428	73	0	0	0	73	355	99	20	119
2024	412	0	0	412	0	412	78	0	0	0	78	334	111	24	135
2025	430	0	0	430	0	430	110	0	0	0	110	320	109	24	133
2026	455	0	0	455	0	455	94	0	0	0	94	361	106	23	129
2027	433	0	0	433	0	433	87	0	0	0	87	346	114	25	139
2028	470	0	0	470	0	470	119	0	0	0	119	351	115	26	140
2029	484	0	0	484	0	484	94	0	0	0	94	390	112	24	136
2030	464	0	0	464	0	464	92	0	0	0	92	372	123	27	150
2031	501	0	0	501	0	501	130	0	0	0	130	371	123	27	150
2032	510	0	0	510	0	510	98	0	0	0	98	412	118	25	143
2033	472	0	0	472	0	472	88	0	0	0	88	383	127	28	156
2034	525	0	0	525	0	525	136	0	0	0	136	389	130	29	159
2035	545	0	0	545	0	545	109	0	0	0	109	436	126	27	153
2036	513	0	0	513	0	513	101	0	0	0	101	411	136	30	166
2037	557	0	0	557	0	557	141	0	0	0	141	416	137	30	167
2038	576	0	0	576	0	576	111	0	0	0	111	465	134	29	162
2039	541	0	0	541	0	541	106	0	0	0	106	435	145	32	177
2040	594	0	0	594	0	594	154	0	0	0	154	440	146	32	178
2041	611	0	0	611	0	611	118	0	0	0	118	493	141	30	171
2042	575	0	0	575	0	575	113	0	0	0	113	461	154	34	188
2043	627	0	0	627	0	627	158	0	0	0	158	468	154	34	188
2044	652	0	0	652	0	652	130	0	0	0	130	522	152	33	184
2045	610	0	0	610	0	610	117	0	0	0	117	493	160	36	196
2046	678	0	0	678	0	678	177	0	0	0	177	501	165	37	202
2047	691	0	0	691	0	691	171	0	0	0	171	520	155	34	189
2048	588	0	0	588	0	588	77	0	0	0	77	511	147	32	178
2049	649	0	0	649	0	649	134	0	0	0	134	515	175	39	213
2050	732	0	0	732	0	732	159	0	0	0	159	573	178	39	218
2051	692	0	0	692	0	692	130	0	0	0	130	562	183	41	224
2052	685	0	0	685	0	685	145	0	0	0	145	540	185	41	226
2053	749	0	0	749	0	749	192	0	0	0	192	557	187	41	228
2054	640	0	0	640	0	640	161	0	0	0	161	479	163	34	197
2055	523	0	0	523	0	523	130	0	0	0	130	393	131	26	157
2056	453	0	0	453	0	453	114	0	0	0	114	339	115	20	135
2057	272	0	0	272	0	272	65	0	0	0	65	207	75	12	86
2058	177	0	0	177	0	177	39	0	0	0	39	138	52	7	59
2059	99	0	0	99	0	99	20	0	0	0	20	79	33	3	36
2060	33	0	0	33	0	33	5	0	0	0	5	28	16	1	17
Tot.	**21,921**	**0**	**0**	**21,921**	**0**	**21,921**	**4,453**	**0**	**0**	**0**	**4,453**	**17,468**	**5,591**	**1,192**	**6,783**
Disc	2,819	0	0	2,819	0	2,819	453	0	0	0	453	2,366	760	160	920

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	1	0	28	29	-29	-29	-27
2013	0	0	0	0	0	0	0	1	0	82	83	-83	-112	-99
2014	0	0	0	0	0	0	0	42	0	210	252	-252	-363	-295
2015	0	0	0	-10	0	0	-10	59	0	183	242	-252	-616	-475
2016	0	0	0	68	0	0	68	4	0	128	132	-64	-679	-516
2017	0	0	0	139	0	0	139	33	0	90	123	16	-663	-506
2018	0	0	0	145	0	0	145	34	0	47	81	64	-599	-472
2019	0	0	0	204	0	0	204	0	0	14	15	190	-409	-380
2020	0	0	0	258	0	0	258	32	0	37	70	188	-221	-297
2021	0	0	0	240	0	0	240	31	0	38	69	171	-50	-228
2022	0	0	0	260	0	0	260	8	0	25	32	227	177	-145
2023	0	0	0	236	0	6	230	58	0	59	117	112	289	-108
2024	0	0	0	199	0	9	190	36	0	45	81	109	398	-75
2025	0	0	0	187	0	1	186	2	0	20	22	164	562	-30
2026	0	0	0	232	0	5	227	43	0	48	91	137	699	4
2027	0	0	0	207	0	5	202	34	0	42	76	126	825	32
2028	0	0	0	210	0	0	210	7	0	25	31	179	1,004	69
2029	0	0	0	254	0	5	249	55	0	58	113	136	1,139	94
2030	0	0	0	222	0	4	218	37	0	47	84	134	1,273	117
2031	0	0	0	221	0	1	221	2	0	24	26	194	1,467	147
2032	0	0	0	269	0	9	260	59	0	63	121	138	1,606	167
2033	0	0	0	228	0	5	223	44	0	51	95	127	1,733	183
2034	0	0	0	230	0	0	230	2	0	24	26	204	1,937	206
2035	0	0	0	283	0	6	276	57	0	62	119	158	2,094	223
2036	0	0	0	245	0	5	240	41	0	52	93	147	2,242	237
2037	0	0	0	250	0	1	249	8	0	30	38	210	2,452	256
2038	0	0	0	302	0	9	294	66	0	70	136	158	2,610	268
2039	0	0	0	258	0	5	252	44	0	54	98	154	2,764	279
2040	0	0	0	262	0	0	262	3	0	28	31	231	2,996	295
2041	0	0	0	321	0	9	312	70	0	74	145	168	3,163	305
2042	0	0	0	273	0	6	267	46	0	58	104	163	3,327	313
2043	0	0	0	280	0	0	280	9	0	34	43	238	3,564	325
2044	0	0	0	337	0	9	329	68	0	74	142	187	3,751	333
2045	0	0	0	297	0	6	291	56	0	66	122	169	3,920	340
2046	0	0	0	299	0	1	298	3	0	31	34	264	4,184	350
2047	0	0	0	331	0	10	320	26	0	48	73	247	4,431	358
2048	0	0	0	332	0	6	326	114	0	103	217	109	4,540	362
2049	0	0	0	302	0	0	302	41	0	59	100	201	4,742	367
2050	0	0	0	355	0	11	345	49	0	68	117	227	4,969	373
2051	0	0	0	338	0	7	332	66	0	77	143	189	5,158	377
2052	0	0	0	314	0	1	313	38	0	58	96	217	5,374	382
2053	0	0	0	329	0	10	319	2	0	38	41	278	5,653	387
2054	0	0	0	282	0	8	273	4	0	35	39	234	5,886	391
2055	0	0	0	237	0	0	237	8	0	34	42	195	6,081	394
2056	0	0	0	204	0	21	183	2	0	31	33	150	6,232	397
2057	0	0	0	121	0	6	115	3	0	21	24	91	6,323	398
2058	0	0	0	79	0	8	72	3	0	17	20	51	6,374	398
2059	0	0	0	43	0	9	34	2	0	11	13	21	6,395	399
2060	0	0	0	11	0	5	6	0	0	4	4	2	6,396	399
Tot.	**0**	**0**	**0**	**10,685**	**0**	**210**	**10,475**	**1,451**	**0**	**2,627**	**4,079**	**6,396**	**6,396**	**399**
Disc	0	0	0	1,446	0	17	1,429	269	0	762	1,030	399	399	399

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	218,623	218,623	0	218,623	175,867	1.000	218,623	100	49.1	281.9	25.8
Total: Oil Eq.	Mboe	218,623	218,623	0	218,623	175,867	1.000	218,623	100	49.1	281.9	25.8

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,468	100	2,366	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,468	100	2,366	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	20.3126
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	10,685	10,475	4,079	6,396	29.26
5.0	3,347	3,297	1,716	1,581	7.23
8.0	1,960	1,935	1,226	709	3.24
10.0	1,446	1,429	1,030	399	1.82
12.0	1,102	1,091	891	199	0.91
15.0	771	764	745	19	0.09
20.0	467	463	590	-126	-0.58

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 13:15:36

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **Contingent Resources**
Development Class: **Low Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	10	1,625	1,625	593	553	63.58
2016	24	5,038	5,038	1,839	1,714	63.68
2017	27	7,605	7,605	2,776	2,583	64.63
2018	81	16,966	16,966	6,193	5,746	66.78
2019	99	24,862	24,862	9,075	8,396	68.25
2020	102	28,381	28,381	10,359	9,557	70.45
2021	112	27,515	27,515	10,043	9,238	71.96
2022	130	26,114	26,114	9,531	8,742	73.50
2023	138	25,897	25,897	9,452	8,643	75.07
2024	146	27,329	27,329	9,975	9,092	76.58
2025	159	29,077	29,077	10,613	9,658	78.11
2026	121	26,550	26,550	9,691	8,819	79.67
2027	118	26,324	26,324	9,608	8,327	81.26
2028	131	26,931	26,931	9,830	8,246	82.89
2029	138	27,120	27,120	9,899	8,343	84.55
2030	138	27,128	27,128	9,902	8,304	86.24
2031	137	27,282	27,282	9,958	8,301	87.96
2032	131	26,972	26,972	9,845	8,214	89.72
2033	131	26,902	26,902	9,819	8,238	91.52
2034	132	26,856	26,856	9,803	8,231	93.35
2035	134	27,005	27,005	9,857	8,270	95.21
2036	135	27,168	27,168	9,916	8,271	97.12
2037	134	27,100	27,100	9,891	8,289	99.06
2038	133	26,990	26,990	9,851	8,017	101.04
2039	127	26,036	26,036	9,503	7,661	103.06
2040	121	24,377	24,377	8,898	7,131	105.12
2041	113	21,985	21,985	8,025	6,427	107.23
2042	103	19,223	19,223	7,016	5,395	109.37
2043	86	15,577	15,577	5,686	4,364	111.56
2044	69	11,571	11,571	4,223	3,274	113.79
2045	53	7,782	7,782	2,840	2,233	116.06
2046	36	4,627	4,627	1,689	1,362	118.39
2047	25	2,682	2,682	979	786	120.75
2048	15	1,345	1,345	491	387	123.17
Tot.				**257,668**	**220,813**	**88.08**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	38	0	0	38	0	38	3	0	0	0	3	35	49	4	54
2016	117	0	0	117	0	117	8	0	0	0	8	109	58	11	69
2017	179	0	0	179	0	179	12	0	0	0	12	167	55	13	68
2018	414	0	0	414	0	414	30	0	0	0	30	384	208	39	247
2019	619	0	0	619	0	619	46	0	0	0	46	573	208	45	253
2020	730	0	0	730	0	730	56	0	0	0	56	673	200	49	248
2021	723	0	0	723	0	723	58	0	0	0	58	665	204	49	253
2022	701	0	0	701	0	701	58	0	0	0	58	643	209	48	258
2023	710	0	0	710	0	710	61	0	0	0	61	649	217	50	266
2024	764	0	0	764	0	764	68	0	0	0	68	696	221	51	272
2025	829	0	0	829	0	829	75	0	0	0	75	754	232	53	285
2026	772	0	0	772	0	772	69	0	0	0	69	703	226	53	279
2027	781	0	0	781	0	781	104	0	0	0	104	677	229	54	283
2028	815	0	0	815	0	815	131	0	0	0	131	683	237	55	293
2029	837	0	0	837	0	837	131	0	0	0	131	705	244	56	301
2030	854	0	0	854	0	854	138	0	0	0	138	716	249	57	306
2031	876	0	0	876	0	876	146	0	0	0	146	730	254	59	313
2032	883	0	0	883	0	883	146	0	0	0	146	737	256	60	316
2033	899	0	0	899	0	899	145	0	0	0	145	754	262	61	322
2034	915	0	0	915	0	915	147	0	0	0	147	768	268	62	330
2035	939	0	0	939	0	939	151	0	0	0	151	787	274	64	337
2036	963	0	0	963	0	963	160	0	0	0	160	803	280	65	345
2037	980	0	0	980	0	980	159	0	0	0	159	821	284	66	350
2038	995	0	0	995	0	995	185	0	0	0	185	810	290	67	358
2039	979	0	0	979	0	979	190	0	0	0	190	790	276	65	341
2040	935	0	0	935	0	935	186	0	0	0	186	750	266	61	327
2041	860	0	0	860	0	860	171	0	0	0	171	689	247	56	303
2042	767	0	0	767	0	767	177	0	0	0	177	590	227	50	276
2043	634	0	0	634	0	634	147	0	0	0	147	487	186	39	225
2044	481	0	0	481	0	481	108	0	0	0	108	373	147	29	176
2045	330	0	0	330	0	330	70	0	0	0	70	259	110	19	129
2046	200	0	0	200	0	200	39	0	0	0	39	161	74	11	86
2047	118	0	0	118	0	118	23	0	0	0	23	95	43	5	48
2048	60	0	0	60	0	60	13	0	0	0	13	48	20	3	22
Tot.	**22,696**	**0**	**0**	**22,696**	**0**	**22,696**	**3,412**	**0**	**0**	**0**	**3,412**	**19,284**	**6,812**	**1,528**	**8,340**
Disc	4,270	0	0	4,270	0	4,270	501	0	0	0	501	3,769	1,344	299	1,642

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	Net Prod'n Revenue MM$	Other Income MM$	Aband. Costs MM$	Oper. Income MM$	Net Capital Investment				Before Tax Cash Flow		
								Dev. MM$	Plant MM$	Tang. MM$	Total MM$	Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	3	0	30	33	-33	-33	-31
2013	0	0	0	0	0	0	0	3	0	84	87	-87	-119	-105
2014	0	0	0	0	0	0	0	44	0	211	256	-256	-375	-305
2015	0	0	0	-19	0	0	-19	62	0	271	333	-352	-726	-555
2016	0	0	0	40	0	0	40	16	0	354	370	-330	-1,056	-768
2017	0	0	0	99	0	0	99	242	0	341	583	-484	-1,540	-1,052
2018	0	0	0	137	0	0	137	84	0	115	199	-62	-1,603	-1,086
2019	0	0	0	320	0	0	320	14	0	38	51	269	-1,334	-955
2020	0	0	0	425	0	0	425	56	0	67	122	302	-1,032	-822
2021	0	0	0	411	0	0	411	85	0	89	174	238	-794	-726
2022	0	0	0	385	0	3	382	83	0	92	175	207	-587	-651
2023	0	0	0	383	0	4	378	105	0	108	214	165	-422	-596
2024	0	0	0	424	0	1	423	81	0	94	175	249	-174	-521
2025	0	0	0	469	0	18	451	82	0	99	181	270	97	-447
2026	0	0	0	423	0	6	417	80	0	90	170	247	343	-386
2027	0	0	0	393	0	1	392	85	0	94	179	213	557	-338
2028	0	0	0	391	0	4	387	92	0	102	194	193	750	-298
2029	0	0	0	405	0	6	398	99	0	109	208	191	941	-262
2030	0	0	0	410	0	7	403	96	0	108	203	200	1,141	-228
2031	0	0	0	417	0	8	409	92	0	106	198	210	1,352	-195
2032	0	0	0	421	0	6	415	94	0	107	201	213	1,565	-165
2033	0	0	0	432	0	6	425	102	0	113	215	211	1,776	-139
2034	0	0	0	439	0	6	433	103	0	115	219	214	1,990	-114
2035	0	0	0	450	0	6	444	106	0	118	223	220	2,210	-90
2036	0	0	0	458	0	7	451	102	0	117	219	233	2,443	-68
2037	0	0	0	471	0	8	464	110	0	123	233	231	2,674	-48
2038	0	0	0	452	0	7	445	75	0	100	174	271	2,944	-26
2039	0	0	0	449	0	7	442	69	0	95	164	278	3,222	-6
2040	0	0	0	422	0	7	415	58	0	86	144	271	3,494	11
2041	0	0	0	386	0	8	378	50	0	79	129	249	3,743	26
2042	0	0	0	314	0	8	306	3	0	45	48	258	4,001	40
2043	0	0	0	262	0	8	254	3	0	38	41	213	4,214	51
2044	0	0	0	197	0	8	189	2	0	32	35	154	4,368	58
2045	0	0	0	130	0	8	122	0	0	24	24	97	4,466	62
2046	0	0	0	76	0	5	70	0	0	18	18	53	4,518	64
2047	0	0	0	47	0	5	42	0	0	12	12	30	4,548	65
2048	0	0	0	26	0	8	18	0	0	6	6	11	4,559	65
Tot.	**0**	**0**	**0**	**10,945**	**0**	**176**	**10,768**	**2,381**	**0**	**3,828**	**6,209**	**4,559**	**4,559**	**65**
Disc	0	0	0	2,126	0	22	2,104	653	0	1,386	2,039	65	65	65

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Dec 01, 2011					Oil Equivalents			Reserve Life Indic. (yr)		
		Gross	Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	257,668	257,668	0	257,668	220,813	1.000	257,668	100	37.1	434.4	19.9
Total: Oil Eq.	Mboe	257,668	257,668	0	257,668	220,813	1.000	257,668	100	37.1	434.4	19.9

PRODUCT REVENUE AND EXPENSES

Product	Units	Average First Year Unit Values							Net Revenue After Royalties			
		Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,284	100	3,769	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,284	100	3,769	100

INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)

	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	15.0330
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

Disc. Rate %	Net Present Value Before Income Tax				
	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	10,945	10,768	6,209	4,559	17.70
5.0	4,452	4,395	3,258	1,136	4.41
8.0	2,810	2,778	2,418	360	1.40
10.0	2,126	2,104	2,039	65	0.25
12.0	1,641	1,625	1,752	-127	-0.49
15.0	1,148	1,138	1,435	-297	-1.15
20.0	678	673	1,088	-415	-1.61

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 13:15:37

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **Contingent Resources**
Development Class: **Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	0	0	0	0	0	0.00
2016	0	0	0	0	0	0.00
2017	0	0	0	0	0	0.00
2018	49	9,800	9,800	3,577	3,319	66.78
2019	53	17,460	17,460	6,373	5,897	68.25
2020	54	21,160	21,160	7,723	7,126	70.45
2021	106	29,148	29,148	10,639	9,787	71.96
2022	167	42,052	42,052	15,349	14,077	73.50
2023	170	42,215	42,215	15,409	14,302	75.08
2024	181	37,975	37,975	13,861	12,927	76.58
2025	250	42,064	42,064	15,353	11,641	78.11
2026	171	32,225	32,225	11,762	10,697	79.67
2027	210	36,500	36,500	13,323	10,828	81.26
2028	230	40,870	40,870	14,918	12,016	82.89
2029	159	36,543	36,543	13,338	10,778	84.55
2030	157	34,332	34,332	12,531	10,958	86.24
2031	227	40,327	40,327	14,719	11,924	87.96
2032	219	38,037	38,037	13,883	11,308	89.72
2033	226	38,348	38,348	13,997	11,817	91.52
2034	209	36,589	36,589	13,355	11,025	93.35
2035	187	36,292	36,292	13,247	11,097	95.21
2036	192	37,080	37,080	13,534	11,145	97.12
2037	197	37,240	37,240	13,593	11,325	99.06
2038	206	37,922	37,922	13,842	11,465	101.04
2039	202	37,154	37,154	13,561	11,258	103.06
2040	206	37,613	37,613	13,729	11,262	105.12
2041	197	36,403	36,403	13,287	11,185	107.23
2042	197	36,270	36,270	13,239	10,303	109.37
2043	184	33,347	33,347	12,172	10,292	111.56
2044	184	30,888	30,888	11,274	8,586	113.79
2045	162	25,789	25,789	9,413	7,166	116.06
2046	142	19,968	19,968	7,288	5,377	118.39
2047	99	10,120	10,120	3,694	3,047	120.75
2048	85	5,370	5,370	1,960	1,294	123.17
2049	36	-2,020	-2,020	-737	-693	125.63
2050	-20	-7,699	-7,699	-2,810	-2,253	128.14
2051	-50	-10,348	-10,348	-3,777	-2,986	130.71
2052	-51	-10,388	-10,388	-3,792	-3,075	133.32
2053	-51	-10,404	-10,404	-3,798	-3,037	135.99
2054	-49	-10,198	-10,198	-3,722	-2,948	138.71
2055	-51	-10,302	-10,302	-3,760	-2,856	141.48
2056	-47	-9,285	-9,285	-3,389	-2,895	144.31
2057	-50	-9,307	-9,307	-3,397	-2,826	147.20
2058	-51	-9,601	-9,601	-3,505	-2,794	150.14
2059	-47	-9,454	-9,454	-3,451	-2,783	153.14
2060	-46	-8,829	-8,829	-3,223	-2,455	156.21
Tot.				**324,582**	**273,624**	**85.70**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	239	0	0	239	0	239	17	0	0	0	17	222	144	26	170
2019	435	0	0	435	0	435	33	0	0	0	33	402	128	28	155
2020	544	0	0	544	0	544	42	0	0	0	42	502	126	33	159
2021	766	0	0	766	0	766	61	0	0	0	61	704	276	59	335
2022	1,128	0	0	1,128	0	1,128	93	0	0	0	93	1,035	273	64	337
2023	1,157	0	0	1,157	0	1,157	83	0	0	0	83	1,074	254	63	317
2024	1,061	0	0	1,061	0	1,061	72	0	0	0	72	990	243	57	299
2025	1,199	0	0	1,199	0	1,199	290	0	0	0	290	909	267	62	329
2026	937	0	0	937	0	937	85	0	0	0	85	852	232	52	283
2027	1,083	0	0	1,083	0	1,083	203	0	0	0	203	880	295	70	365
2028	1,236	0	0	1,236	0	1,236	241	0	0	0	241	996	309	74	383
2029	1,128	0	0	1,128	0	1,128	216	0	0	0	216	911	295	73	368
2030	1,081	0	0	1,081	0	1,081	136	0	0	0	136	945	289	69	359
2031	1,295	0	0	1,295	0	1,295	246	0	0	0	246	1,049	320	77	396
2032	1,246	0	0	1,246	0	1,246	231	0	0	0	231	1,015	323	77	401
2033	1,281	0	0	1,281	0	1,281	199	0	0	0	199	1,081	334	80	414
2034	1,247	0	0	1,247	0	1,247	217	0	0	0	217	1,029	331	79	411
2035	1,261	0	0	1,261	0	1,261	205	0	0	0	205	1,057	336	81	417
2036	1,314	0	0	1,314	0	1,314	232	0	0	0	232	1,082	347	84	431
2037	1,346	0	0	1,346	0	1,346	225	0	0	0	225	1,122	353	85	438
2038	1,399	0	0	1,399	0	1,399	240	0	0	0	240	1,158	362	87	449
2039	1,398	0	0	1,398	0	1,398	237	0	0	0	237	1,160	370	89	458
2040	1,443	0	0	1,443	0	1,443	259	0	0	0	259	1,184	379	91	469
2041	1,425	0	0	1,425	0	1,425	225	0	0	0	225	1,199	375	89	464
2042	1,448	0	0	1,448	0	1,448	321	0	0	0	321	1,127	388	93	481
2043	1,358	0	0	1,358	0	1,358	210	0	0	0	210	1,148	337	80	417
2044	1,283	0	0	1,283	0	1,283	306	0	0	0	306	977	347	81	428
2045	1,093	0	0	1,093	0	1,093	261	0	0	0	261	832	282	63	345
2046	863	0	0	863	0	863	226	0	0	0	226	637	218	45	264
2047	446	0	0	446	0	446	78	0	0	0	78	368	139	24	163
2048	241	0	0	241	0	241	82	0	0	0	82	159	78	8	87
2049	-93	0	0	-93	0	-93	-6	0	0	0	-6	-87	-1	-10	-11
2050	-360	0	0	-360	0	-360	-71	0	0	0	-71	-289	-79	-23	-103
2051	-494	0	0	-494	0	-494	-103	0	0	0	-103	-390	-120	-28	-148
2052	-505	0	0	-505	0	-505	-96	0	0	0	-96	-410	-119	-27	-146
2053	-516	0	0	-516	0	-516	-103	0	0	0	-103	-413	-125	-29	-154
2054	-516	0	0	-516	0	-516	-107	0	0	0	-107	-409	-124	-29	-153
2055	-532	0	0	-532	0	-532	-128	0	0	0	-128	-404	-124	-28	-153
2056	-489	0	0	-489	0	-489	-71	0	0	0	-71	-418	-113	-25	-138
2057	-500	0	0	-500	0	-500	-84	0	0	0	-84	-416	-133	-30	-163
2058	-526	0	0	-526	0	-526	-107	0	0	0	-107	-420	-138	-31	-169
2059	-528	0	0	-528	0	-528	-102	0	0	0	-102	-426	-138	-32	-170
2060	-503	0	0	-503	0	-503	-120	0	0	0	-120	-383	-140	-32	-172
Tot.	**27,816**	**0**	**0**	**27,816**	**0**	**27,816**	**4,474**	**0**	**0**	**0**	**4,474**	**23,341**	**7,391**	**1,720**	**9,110**
Disc	5,121	0	0	5,121	0	5,121	710	0	0	0	710	4,410	1,364	317	1,681

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	3	0	2	6	-6	-6	-5
2013	0	0	0	0	0	0	0	3	0	2	6	-6	-12	-10
2014	0	0	0	0	0	0	0	4	0	2	6	-6	-17	-15
2015	0	0	0	0	0	0	0	4	0	125	129	-129	-146	-107
2016	0	0	0	0	0	0	0	4	0	313	318	-318	-464	-312
2017	0	0	0	0	0	0	0	220	0	305	524	-524	-988	-620
2018	0	0	0	52	0	0	52	22	0	191	214	-162	-1,150	-706
2019	0	0	0	247	0	0	247	6	0	349	355	-108	-1,258	-758
2020	0	0	0	343	0	0	343	240	0	344	584	-241	-1,499	-865
2021	0	0	0	369	0	0	369	130	0	154	284	85	-1,414	-831
2022	0	0	0	698	0	0	698	2	0	42	44	654	-760	-592
2023	0	0	0	757	0	0	757	60	0	82	142	615	-145	-388
2024	0	0	0	690	0	0	690	180	0	165	345	346	201	-284
2025	0	0	0	580	0	32	548	55	0	90	145	403	604	-174
2026	0	0	0	569	0	3	566	239	0	202	442	125	729	-143
2027	0	0	0	515	0	1	514	95	0	116	211	303	1,032	-74
2028	0	0	0	613	0	36	576	117	0	135	252	324	1,356	-7
2029	0	0	0	544	0	9	535	104	0	115	219	316	1,672	52
2030	0	0	0	586	0	-1	587	201	0	181	383	204	1,877	87
2031	0	0	0	653	0	14	638	135	0	148	284	354	2,231	142
2032	0	0	0	614	0	9	604	126	0	141	267	337	2,568	189
2033	0	0	0	668	0	22	646	185	0	184	369	278	2,846	225
2034	0	0	0	619	0	23	596	142	0	151	292	303	3,149	260
2035	0	0	0	640	0	14	626	166	0	167	333	293	3,442	291
2036	0	0	0	651	0	11	640	148	0	155	303	337	3,779	323
2037	0	0	0	684	0	14	670	173	0	175	347	323	4,102	351
2038	0	0	0	709	0	17	692	172	0	177	349	343	4,445	379
2039	0	0	0	702	0	15	687	170	0	176	346	341	4,787	403
2040	0	0	0	714	0	19	696	156	0	169	325	370	5,157	427
2041	0	0	0	735	0	18	717	200	0	197	397	320	5,477	447
2042	0	0	0	646	0	15	631	59	0	105	164	466	5,943	472
2043	0	0	0	731	0	19	712	214	0	203	417	295	6,239	486
2044	0	0	0	549	0	16	533	17	0	73	90	443	6,682	506
2045	0	0	0	487	0	18	469	25	0	71	96	373	7,055	521
2046	0	0	0	373	0	20	353	-7	0	41	33	319	7,374	533
2047	0	0	0	205	0	17	188	33	0	55	88	100	7,475	537
2048	0	0	0	73	0	20	53	-45	0	-5	-50	103	7,577	540
2049	0	0	0	-76	0	25	-101	-46	0	-22	-68	-33	7,544	539
2050	0	0	0	-186	0	12	-198	-41	0	-38	-79	-119	7,425	536
2051	0	0	0	-242	0	-3	-239	-40	0	-48	-87	-152	7,273	532
2052	0	0	0	-264	0	-6	-258	-59	0	-61	-121	-138	7,136	529
2053	0	0	0	-259	0	-6	-253	-49	0	-55	-104	-149	6,986	527
2054	0	0	0	-256	0	-4	-252	-44	0	-51	-95	-158	6,829	524
2055	0	0	0	-252	0	-5	-247	-22	0	-38	-60	-187	6,642	521
2056	0	0	0	-280	0	-6	-274	-91	0	-82	-173	-101	6,541	519
2057	0	0	0	-253	0	-5	-248	-62	0	-65	-127	-121	6,420	518
2058	0	0	0	-250	0	-6	-244	-39	0	-51	-90	-154	6,266	516
2059	0	0	0	-256	0	-4	-253	-47	0	-56	-103	-149	6,117	515
2060	0	0	0	-211	0	-30	-181	-4	0	-27	-31	-150	5,967	513
Tot.	**0**	**0**	**0**	**14,231**	**0**	**344**	**13,887**	**3,215**	**0**	**4,705**	**7,920**	**5,967**	**5,967**	**513**
Disc	0	0	0	2,730	0	41	2,689	745	0	1,431	2,175	513	513	513

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	324,582	324,582	0	324,582	273,624	1.000	324,582	100	49.1	90.7	20.6
Total: Oil Eq.	Mboe	324,582	324,582	0	324,582	273,624	1.000	324,582	100	49.1	90.7	20.6

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23,341	100	4,410	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23,341	100	4,410	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	16.0853
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	14,231	13,887	7,920	5,967	18.38
5.0	5,970	5,856	3,908	1,948	6.00
8.0	3,685	3,624	2,707	916	2.82
10.0	2,730	2,689	2,175	513	1.58
12.0	2,057	2,029	1,782	247	0.76
15.0	1,387	1,370	1,362	8	0.03
20.0	769	762	928	-166	-0.51

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 13:15:37

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **Contingent Resources**
Development Class: **High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	0	0	0	0	0	0.00
2016	0	0	0	0	0	0.00
2017	0	0	0	0	0	0.00
2018	46	9,775	9,775	3,568	3,310	66.78
2019	39	15,130	15,130	5,522	5,110	68.25
2020	45	18,296	18,296	6,678	6,161	70.45
2021	103	28,526	28,526	10,412	9,578	71.96
2022	162	44,370	44,370	16,195	14,853	73.50
2023	162	45,811	45,811	16,721	15,776	75.07
2024	168	42,010	42,010	15,334	13,653	76.58
2025	252	47,785	47,785	17,442	12,954	78.11
2026	268	43,713	43,713	15,955	13,051	79.67
2027	217	38,836	38,836	14,175	11,773	81.26
2028	253	41,321	41,321	15,082	12,819	82.89
2029	295	47,177	47,177	17,220	13,386	84.55
2030	200	41,321	41,321	15,082	12,486	86.24
2031	227	45,557	45,557	16,628	13,312	87.96
2032	253	47,290	47,290	17,261	13,563	89.72
2033	229	45,878	45,878	16,746	13,286	91.52
2034	271	47,054	47,054	17,175	14,176	93.35
2035	237	43,870	43,870	16,013	12,774	95.21
2036	232	44,509	44,509	16,246	13,136	97.12
2037	222	44,258	44,258	16,154	13,143	99.06
2038	207	43,830	43,830	15,998	12,779	101.04
2039	222	45,873	45,873	16,744	13,246	103.06
2040	232	45,209	45,209	16,501	13,498	105.12
2041	231	44,860	44,860	16,374	12,127	107.23
2042	222	41,775	41,775	15,248	13,346	109.37
2043	236	41,459	41,459	15,133	11,626	111.56
2044	202	38,618	38,618	14,096	11,184	113.79
2045	200	38,070	38,070	13,896	11,103	116.06
2046	173	30,754	30,754	11,225	9,212	118.39
2047	175	29,005	29,005	10,587	7,635	120.75
2048	147	20,112	20,112	7,341	5,021	123.17
2049	106	9,631	9,631	3,515	2,760	125.63
2050	54	1,091	1,091	398	64	128.14
2051	12	-4,525	-4,525	-1,652	-1,505	130.71
2052	12	-6,809	-6,809	-2,485	-1,994	133.32
2053	-44	-11,885	-11,885	-4,338	-3,159	135.99
2054	-75	-12,647	-12,647	-4,616	-3,452	138.71
2055	-67	-10,130	-10,130	-3,698	-2,779	141.48
2056	-74	-8,594	-8,594	-3,137	-2,347	144.31
2057	-44	-5,062	-5,062	-1,848	-1,407	147.20
2058	-34	-3,236	-3,236	-1,181	-919	150.14
2059	-22	-1,772	-1,772	-647	-517	153.14
2060	-8	-574	-574	-210	-180	156.21
Tot.				**418,853**	**343,642**	**91.13**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	238	0	0	238	0	238	17	0	0	0	17	221	124	25	149
2019	377	0	0	377	0	377	28	0	0	0	28	349	94	21	114
2020	470	0	0	470	0	470	36	0	0	0	36	434	106	29	135
2021	749	0	0	749	0	749	60	0	0	0	60	689	274	59	333
2022	1,190	0	0	1,190	0	1,190	99	0	0	0	99	1,092	274	67	341
2023	1,255	0	0	1,255	0	1,255	71	0	0	0	71	1,184	269	71	341
2024	1,174	0	0	1,174	0	1,174	129	0	0	0	129	1,045	255	65	320
2025	1,362	0	0	1,362	0	1,362	351	0	0	0	351	1,012	284	71	356
2026	1,271	0	0	1,271	0	1,271	231	0	0	0	231	1,040	267	63	330
2027	1,152	0	0	1,152	0	1,152	195	0	0	0	195	957	288	70	358
2028	1,250	0	0	1,250	0	1,250	188	0	0	0	188	1,063	304	73	377
2029	1,456	0	0	1,456	0	1,456	324	0	0	0	324	1,132	318	76	394
2030	1,301	0	0	1,301	0	1,301	224	0	0	0	224	1,077	304	75	379
2031	1,463	0	0	1,463	0	1,463	292	0	0	0	292	1,171	319	80	399
2032	1,549	0	0	1,549	0	1,549	332	0	0	0	332	1,217	339	85	423
2033	1,532	0	0	1,532	0	1,532	317	0	0	0	317	1,216	330	83	413
2034	1,603	0	0	1,603	0	1,603	280	0	0	0	280	1,323	347	85	433
2035	1,525	0	0	1,525	0	1,525	308	0	0	0	308	1,216	353	88	440
2036	1,578	0	0	1,578	0	1,578	302	0	0	0	302	1,276	350	87	437
2037	1,600	0	0	1,600	0	1,600	298	0	0	0	298	1,302	358	89	447
2038	1,616	0	0	1,616	0	1,616	325	0	0	0	325	1,291	370	94	464
2039	1,726	0	0	1,726	0	1,726	360	0	0	0	360	1,365	369	93	462
2040	1,735	0	0	1,735	0	1,735	316	0	0	0	316	1,419	382	95	477
2041	1,756	0	0	1,756	0	1,756	455	0	0	0	455	1,300	397	100	497
2042	1,668	0	0	1,668	0	1,668	208	0	0	0	208	1,460	341	80	422
2043	1,688	0	0	1,688	0	1,688	391	0	0	0	391	1,297	406	99	506
2044	1,604	0	0	1,604	0	1,604	331	0	0	0	331	1,273	376	91	466
2045	1,613	0	0	1,613	0	1,613	324	0	0	0	324	1,289	401	100	501
2046	1,329	0	0	1,329	0	1,329	238	0	0	0	238	1,091	349	84	433
2047	1,278	0	0	1,278	0	1,278	356	0	0	0	356	922	274	63	337
2048	904	0	0	904	0	904	286	0	0	0	286	618	189	38	228
2049	442	0	0	442	0	442	95	0	0	0	95	347	95	13	108
2050	51	0	0	51	0	51	43	0	0	0	43	8	18	-4	14
2051	-216	0	0	-216	0	-216	-19	0	0	0	-19	-197	-51	-21	-72
2052	-331	0	0	-331	0	-331	-66	0	0	0	-66	-266	-87	-29	-117
2053	-590	0	0	-590	0	-590	-160	0	0	0	-160	-430	-130	-35	-166
2054	-640	0	0	-640	0	-640	-161	0	0	0	-161	-479	-163	-34	-197
2055	-523	0	0	-523	0	-523	-130	0	0	0	-130	-393	-131	-26	-157
2056	-453	0	0	-453	0	-453	-114	0	0	0	-114	-339	-115	-20	-135
2057	-272	0	0	-272	0	-272	-65	0	0	0	-65	-207	-75	-12	-86
2058	-177	0	0	-177	0	-177	-39	0	0	0	-39	-138	-52	-7	-59
2059	-99	0	0	-99	0	-99	-20	0	0	0	-20	-79	-33	-3	-36
2060	-33	0	0	-33	0	-33	-5	0	0	0	-5	-28	-16	-1	-17
Tot.	**38,171**	**0**	**0**	**38,171**	**0**	**38,171**	**7,032**	**0**	**0**	**0**	**7,032**	**31,139**	**8,670**	**2,122**	**10,793**
Disc	5,863	0	0	5,863	0	5,863	928	0	0	0	928	4,935	1,392	338	1,731

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	3	0	2	6	-6	-6	-5
2013	0	0	0	0	0	0	0	3	0	2	6	-6	-12	-10
2014	0	0	0	0	0	0	0	4	0	2	6	-6	-17	-15
2015	0	0	0	0	0	0	0	4	0	92	96	-96	-114	-84
2016	0	0	0	0	0	0	0	5	0	230	235	-235	-349	-235
2017	0	0	0	0	0	0	0	207	0	254	460	-460	-809	-506
2018	0	0	0	72	0	0	72	-12	0	172	159	-87	-896	-552
2019	0	0	0	234	0	0	234	51	0	412	463	-229	-1,125	-663
2020	0	0	0	299	0	0	299	270	0	380	650	-350	-1,475	-818
2021	0	0	0	357	0	0	357	138	0	162	300	56	-1,419	-795
2022	0	0	0	751	0	0	751	33	0	61	95	656	-763	-556
2023	0	0	0	844	0	0	844	23	0	55	78	766	3	-302
2024	0	0	0	726	0	0	726	244	0	204	448	278	280	-218
2025	0	0	0	656	0	0	656	46	0	84	130	526	806	-74
2026	0	0	0	710	0	31	679	184	0	179	363	316	1,122	4
2027	0	0	0	599	0	-5	603	153	0	153	306	298	1,420	72
2028	0	0	0	685	0	4	681	207	0	197	404	277	1,697	129
2029	0	0	0	738	0	41	696	111	0	141	252	445	2,142	212
2030	0	0	0	698	0	9	688	185	0	177	362	326	2,468	268
2031	0	0	0	772	0	5	767	166	0	169	334	432	2,901	334
2032	0	0	0	794	0	25	769	139	0	156	296	473	3,373	401
2033	0	0	0	802	0	-3	806	161	0	167	327	478	3,852	462
2034	0	0	0	891	0	33	858	241	0	229	471	387	4,238	507
2035	0	0	0	776	0	16	760	150	0	164	314	446	4,685	554
2036	0	0	0	839	0	19	820	193	0	193	386	434	5,119	596
2037	0	0	0	855	0	23	832	206	0	202	407	425	5,544	633
2038	0	0	0	827	0	13	814	166	0	174	339	475	6,019	671
2039	0	0	0	903	0	10	893	178	0	185	362	530	6,549	709
2040	0	0	0	942	0	21	920	239	0	229	468	452	7,001	739
2041	0	0	0	803	0	12	791	29	0	91	120	671	7,673	779
2042	0	0	0	1,038	0	22	1,016	394	0	332	726	290	7,962	794
2043	0	0	0	791	0	24	767	78	0	127	205	562	8,525	822
2044	0	0	0	806	0	18	788	144	0	165	309	479	9,003	843
2045	0	0	0	787	0	18	770	140	0	161	301	468	9,472	863
2046	0	0	0	657	0	23	634	143	0	157	300	334	9,806	875
2047	0	0	0	585	0	13	572	-4	0	55	51	521	10,328	892
2048	0	0	0	391	0	20	371	-52	0	14	-38	409	10,737	905
2049	0	0	0	239	0	33	206	38	0	58	96	109	10,846	908
2050	0	0	0	-5	0	19	-25	-49	0	-21	-70	45	10,891	909
2051	0	0	0	-125	0	-6	-119	-58	0	-38	-96	-23	10,868	909
2052	0	0	0	-149	0	21	-171	-29	0	-22	-51	-120	10,748	906
2053	0	0	0	-264	0	15	-279	-2	0	-21	-23	-255	10,492	901
2054	0	0	0	-282	0	-8	-273	-4	0	-35	-39	-234	10,259	897
2055	0	0	0	-237	0	0	-237	-8	0	-34	-42	-195	10,064	894
2056	0	0	0	-204	0	-21	-183	-2	0	-31	-33	-150	9,913	892
2057	0	0	0	-121	0	-6	-115	-3	0	-21	-24	-91	9,822	891
2058	0	0	0	-79	0	-8	-72	-3	0	-17	-20	-51	9,771	890
2059	0	0	0	-43	0	-9	-34	-2	0	-11	-13	-21	9,750	890
2060	0	0	0	-11	0	-5	-6	0	0	-4	-4	-2	9,749	890
Tot.	**0**	**0**	**0**	**20,346**	**0**	**420**	**19,926**	**4,447**	**0**	**5,731**	**10,178**	**9,749**	**9,749**	**890**
Disc	0	0	0	3,205	0	41	3,163	839	0	1,435	2,273	890	890	890

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	418,853	418,853	0	418,853	343,642	1.000	418,853	100	49.1	117.4	22.4
Total: Oil Eq.	Mboe	418,853	418,853	0	418,853	343,642	1.000	418,853	100	49.1	117.4	22.4

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,139	100	4,935	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,139	100	4,935	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	18.4227
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	20,346	19,926	10,178	9,749	23.27
5.0	7,474	7,351	4,369	2,982	7.12
8.0	4,418	4,356	2,893	1,463	3.49
10.0	3,205	3,163	2,273	890	2.12
12.0	2,374	2,346	1,828	518	1.24
15.0	1,568	1,552	1,366	186	0.44
20.0	848	842	905	-63	-0.15

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 15:53:27

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **2P + Contingent Resources**
Development Class: **Total Best Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	10	2,000	2,000	730	680	63.58
2016	24	6,200	6,200	2,263	2,109	63.68
2017	25	8,960	8,960	3,270	3,043	64.63
2018	74	19,170	19,170	6,997	6,492	66.78
2019	91	27,385	27,385	9,995	9,248	68.25
2020	106	31,467	31,467	11,485	10,596	70.45
2021	168	39,449	39,449	14,399	13,246	71.96
2022	232	52,382	52,382	19,119	17,535	73.50
2023	225	52,371	52,371	19,115	17,478	75.08
2024	213	46,783	46,783	17,076	15,564	76.58
2025	291	52,437	52,437	19,140	14,601	78.11
2026	218	42,566	42,566	15,537	13,751	79.67
2027	262	46,876	46,876	17,110	13,781	81.26
2028	289	51,238	51,238	18,702	15,155	82.89
2029	210	46,146	46,146	16,843	13,665	84.55
2030	210	44,647	44,647	16,296	13,934	86.24
2031	273	50,551	50,551	18,451	14,886	87.96
2032	261	47,808	47,808	17,450	14,205	89.72
2033	275	48,703	48,703	17,777	14,881	91.52
2034	262	47,085	47,085	17,186	14,111	93.35
2035	240	46,725	46,725	17,055	14,064	95.21
2036	247	47,550	47,550	17,356	14,253	97.12
2037	245	47,023	47,023	17,163	14,231	99.06
2038	253	47,838	47,838	17,461	14,344	101.04
2039	251	47,340	47,340	17,279	14,237	103.06
2040	254	47,495	47,495	17,336	14,197	105.12
2041	249	46,755	46,755	17,066	14,237	107.23
2042	248	46,649	46,649	17,027	13,319	109.37
2043	232	43,516	43,516	15,883	13,238	111.56
2044	236	41,350	41,350	15,093	11,664	113.79
2045	211	35,852	35,852	13,086	10,170	116.06
2046	193	30,363	30,363	11,083	8,368	118.39
2047	151	20,612	20,612	7,523	6,078	120.75
2048	134	15,393	15,393	5,618	4,285	123.17
2049	87	8,195	8,195	2,991	2,306	125.63
2050	30	2,570	2,570	938	767	128.14
Tot.				**488,899**	**408,724**	**91.95**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	46	0	0	46	0	46	3	0	0	0	3	43	50	5	55
2016	144	0	0	144	0	144	10	0	0	0	10	134	61	12	73
2017	211	0	0	211	0	211	15	0	0	0	15	197	55	13	69
2018	467	0	0	467	0	467	34	0	0	0	34	434	203	40	243
2019	682	0	0	682	0	682	51	0	0	0	51	631	190	42	232
2020	809	0	0	809	0	809	63	0	0	0	63	746	185	46	231
2021	1,036	0	0	1,036	0	1,036	83	0	0	0	83	953	344	74	418
2022	1,405	0	0	1,405	0	1,405	116	0	0	0	116	1,289	337	77	414
2023	1,435	0	0	1,435	0	1,435	123	0	0	0	123	1,312	324	79	403
2024	1,308	0	0	1,308	0	1,308	116	0	0	0	116	1,192	310	72	382
2025	1,495	0	0	1,495	0	1,495	355	0	0	0	355	1,140	337	78	415
2026	1,238	0	0	1,238	0	1,238	142	0	0	0	142	1,096	305	68	373
2027	1,390	0	0	1,390	0	1,390	271	0	0	0	271	1,120	368	86	454
2028	1,550	0	0	1,550	0	1,550	294	0	0	0	294	1,256	381	90	471
2029	1,424	0	0	1,424	0	1,424	269	0	0	0	269	1,155	372	90	462
2030	1,405	0	0	1,405	0	1,405	204	0	0	0	204	1,202	369	87	456
2031	1,623	0	0	1,623	0	1,623	314	0	0	0	314	1,309	399	95	494
2032	1,566	0	0	1,566	0	1,566	291	0	0	0	291	1,274	404	96	500
2033	1,627	0	0	1,627	0	1,627	265	0	0	0	265	1,362	416	98	514
2034	1,604	0	0	1,604	0	1,604	287	0	0	0	287	1,317	418	99	517
2035	1,624	0	0	1,624	0	1,624	285	0	0	0	285	1,339	423	101	524
2036	1,686	0	0	1,686	0	1,686	301	0	0	0	301	1,384	433	103	537
2037	1,700	0	0	1,700	0	1,700	290	0	0	0	290	1,410	443	106	548
2038	1,764	0	0	1,764	0	1,764	315	0	0	0	315	1,449	452	108	559
2039	1,781	0	0	1,781	0	1,781	313	0	0	0	313	1,467	460	109	569
2040	1,822	0	0	1,822	0	1,822	330	0	0	0	330	1,492	472	112	585
2041	1,830	0	0	1,830	0	1,830	303	0	0	0	303	1,527	471	111	582
2042	1,862	0	0	1,862	0	1,862	406	0	0	0	406	1,457	489	116	605
2043	1,772	0	0	1,772	0	1,772	295	0	0	0	295	1,477	437	103	540
2044	1,717	0	0	1,717	0	1,717	390	0	0	0	390	1,327	448	104	553
2045	1,519	0	0	1,519	0	1,519	338	0	0	0	338	1,180	386	87	473
2046	1,312	0	0	1,312	0	1,312	321	0	0	0	321	991	327	70	397
2047	908	0	0	908	0	908	174	0	0	0	174	734	247	49	296
2048	692	0	0	692	0	692	164	0	0	0	164	528	187	33	220
2049	376	0	0	376	0	376	86	0	0	0	86	290	113	16	129
2050	120	0	0	120	0	120	22	0	0	0	22	98	36	3	39
Tot.	**44,953**	**0**	**0**	**44,953**	**0**	**44,953**	**7,639**	**0**	**0**	**0**	**7,639**	**37,314**	**11,651**	**2,683**	**14,334**
Disc	7,129	0	0	7,129	0	7,129	1,000	0	0	0	1,000	6,129	1,901	433	2,334

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	4	0	30	34	-34	-34	-32
2013	0	0	0	0	0	0	0	4	0	84	88	-88	-122	-108
2014	0	0	0	0	0	0	0	45	0	212	257	-257	-380	-309
2015	0	0	0	-12	0	0	-12	63	0	262	325	-337	-717	-549
2016	0	0	0	61	0	0	61	9	0	324	332	-271	-988	-724
2017	0	0	0	128	0	0	128	222	0	314	536	-408	-1,396	-964
2018	0	0	0	191	0	0	191	53	0	220	273	-82	-1,478	-1,007
2019	0	0	0	399	0	0	399	27	0	373	400	0	-1,478	-1,008
2020	0	0	0	516	0	0	516	281	0	383	664	-148	-1,627	-1,073
2021	0	0	0	535	0	0	535	146	0	178	325	211	-1,416	-989
2022	0	0	0	874	0	6	868	42	0	83	124	744	-672	-717
2023	0	0	0	909	0	9	900	86	0	112	198	702	30	-484
2024	0	0	0	809	0	1	809	205	0	191	396	412	443	-360
2025	0	0	0	725	0	32	693	77	0	116	193	500	942	-223
2026	0	0	0	722	0	5	718	272	0	237	509	209	1,151	-171
2027	0	0	0	666	0	1	665	117	0	143	260	405	1,556	-80
2028	0	0	0	785	0	43	742	164	0	180	344	398	1,954	2
2029	0	0	0	694	0	11	683	138	0	152	291	392	2,347	76
2030	0	0	0	745	0	4	741	227	0	213	440	301	2,648	127
2031	0	0	0	815	0	18	797	164	0	181	345	452	3,100	197
2032	0	0	0	775	0	11	764	160	0	178	338	426	3,526	257
2033	0	0	0	848	0	24	824	225	0	225	450	373	3,899	305
2034	0	0	0	800	0	26	774	178	0	191	369	405	4,304	352
2035	0	0	0	815	0	15	800	190	0	198	388	412	4,716	395
2036	0	0	0	847	0	18	829	193	0	202	395	434	5,150	437
2037	0	0	0	861	0	18	843	210	0	216	426	418	5,567	473
2038	0	0	0	890	0	20	870	204	0	214	418	453	6,020	509
2039	0	0	0	898	0	18	880	209	0	219	428	452	6,472	542
2040	0	0	0	908	0	21	887	199	0	214	413	474	6,946	573
2041	0	0	0	945	0	23	922	245	0	245	490	432	7,378	599
2042	0	0	0	852	0	20	832	96	0	147	243	588	7,966	631
2043	0	0	0	937	0	21	916	250	0	244	494	421	8,388	651
2044	0	0	0	775	0	22	753	65	0	124	189	564	8,951	677
2045	0	0	0	707	0	22	685	76	0	123	200	486	9,437	696
2046	0	0	0	593	0	23	570	28	0	84	111	459	9,896	713
2047	0	0	0	438	0	22	416	74	0	102	176	240	10,136	721
2048	0	0	0	308	0	24	283	10	0	51	61	222	10,357	728
2049	0	0	0	161	0	30	131	2	0	30	32	99	10,456	731
2050	0	0	0	59	0	16	43	10	0	16	27	17	10,473	731
Tot.	**0**	**0**	**0**	**22,980**	**0**	**524**	**22,456**	**4,970**	**0**	**7,013**	**11,983**	**10,473**	**10,473**	**731**
Disc	0	0	0	3,794	0	56	3,739	1,007	0	2,000	3,007	731	731	731

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	488,899	488,899	0	488,899	408,724	1.000	488,899	100	39.1	669.7	22.0
Total: Oil Eq.	Mboe	488,899	488,899	0	488,899	408,724	1.000	488,899	100	39.1	669.7	22.0

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37,314	100	6,129	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37,314	100	6,129	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	16.9929
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	22,980	22,456	11,983	10,473	21.42
5.0	8,492	8,336	5,382	2,954	6.04
8.0	5,134	5,052	3,714	1,338	2.74
10.0	3,794	3,739	3,007	731	1.50
12.0	2,869	2,831	2,494	337	0.69
15.0	1,958	1,934	1,952	-18	-0.04
20.0	1,120	1,109	1,395	-287	-0.59

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 13:15:37

Company: **Sunshine Oilsands Ltd.**
Property: **Thickwood**
Description: **SAGD PROJECT**

Reserve Class: **3P + Contingent Resources**
Development Class: **Total High Estimate**
Pricing: **GLJ (2011-10)**
Effective Date: **November 30, 2011**

Economic Forecast

PRODUCTION FORECAST

		Heavy Oil Production				
Year	Gross Oil Wells	Gross Daily bbl/d	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price $/bbl
2011	0	0	0	0	0	0.00
2012	0	0	0	0	0	0.00
2013	0	0	0	0	0	0.00
2014	0	0	0	0	0	0.00
2015	10	2,125	2,125	776	723	63.58
2016	24	6,588	6,588	2,404	2,241	63.68
2017	25	9,520	9,520	3,475	3,233	64.63
2018	78	21,271	21,271	7,764	7,204	66.78
2019	88	29,246	29,246	10,675	9,877	68.25
2020	108	33,926	33,926	12,383	11,425	70.45
2021	174	43,527	43,527	15,887	14,615	71.96
2022	246	60,026	60,026	21,909	20,094	73.50
2023	254	61,440	61,440	22,426	20,505	75.07
2024	252	56,751	56,751	20,714	18,018	76.58
2025	322	62,851	62,851	22,941	17,048	78.11
2026	342	59,366	59,366	21,669	17,582	79.67
2027	286	53,437	53,437	19,504	16,029	81.26
2028	326	56,846	56,846	20,749	17,048	82.89
2029	376	62,852	62,852	22,941	17,999	84.55
2030	277	56,077	56,077	20,468	16,802	86.24
2031	306	61,161	61,161	22,324	17,529	87.96
2032	336	62,865	62,865	22,946	18,153	89.72
2033	299	60,005	60,005	21,902	17,476	91.52
2034	344	62,449	62,449	22,794	18,340	93.35
2035	316	59,559	59,559	21,739	17,351	95.21
2036	304	58,977	58,977	21,527	17,372	97.12
2037	298	59,670	59,670	21,780	17,346	99.06
2038	289	59,444	59,444	21,697	17,379	101.04
2039	294	60,262	60,262	21,996	17,466	103.06
2040	307	60,696	60,696	22,154	17,685	105.12
2041	312	60,465	60,465	22,070	16,723	107.23
2042	294	56,168	56,168	20,501	17,564	109.37
2043	310	56,847	56,847	20,749	15,823	111.56
2044	283	54,316	54,316	19,825	15,770	113.79
2045	272	52,475	52,475	19,153	15,354	116.06
2046	250	46,434	46,434	16,948	13,444	118.39
2047	256	44,688	44,688	16,311	11,940	120.75
2048	212	33,181	33,181	12,111	9,166	123.17
2049	182	23,789	23,789	8,683	6,859	125.63
2050	142	16,735	16,735	6,108	4,535	128.14
2051	86	9,985	9,985	3,644	2,794	130.71
2052	84	7,276	7,276	2,656	2,059	133.32
2053	44	3,215	3,215	1,173	939	135.99
Tot.				**637,476**	**519,508**	**94.27**

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REVENUE AND EXPENSE FORECAST

	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After	Net Revenue After	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest									
Year	Oil MM$	Gas MM$	NGL+Sul MM$	Total MM$	Total MM$	Total MM$	Crown MM$	Other MM$	Crown MM$	Other MM$	Process. MM$	Royalty MM$	Fixed MM$	Variable MM$	Total MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	49	0	0	49	0	49	3	0	0	0	3	46	51	5	56
2016	153	0	0	153	0	153	10	0	0	0	10	143	62	12	74
2017	225	0	0	225	0	225	16	0	0	0	16	209	56	14	70
2018	518	0	0	518	0	518	37	0	0	0	37	481	220	44	263
2019	729	0	0	729	0	729	54	0	0	0	54	674	193	42	236
2020	872	0	0	872	0	872	68	0	0	0	68	805	198	50	248
2021	1,143	0	0	1,143	0	1,143	92	0	0	0	92	1,052	374	81	456
2022	1,610	0	0	1,610	0	1,610	133	0	0	0	133	1,477	377	89	467
2023	1,684	0	0	1,684	0	1,684	144	0	0	0	144	1,539	368	92	459
2024	1,586	0	0	1,586	0	1,586	206	0	0	0	206	1,380	366	89	455
2025	1,792	0	0	1,792	0	1,792	460	0	0	0	460	1,332	393	96	489
2026	1,726	0	0	1,726	0	1,726	326	0	0	0	326	1,401	373	86	459
2027	1,585	0	0	1,585	0	1,585	282	0	0	0	282	1,303	401	96	497
2028	1,720	0	0	1,720	0	1,720	307	0	0	0	307	1,413	419	99	518
2029	1,940	0	0	1,940	0	1,940	418	0	0	0	418	1,522	430	100	530
2030	1,765	0	0	1,765	0	1,765	316	0	0	0	316	1,449	427	103	529
2031	1,964	0	0	1,964	0	1,964	422	0	0	0	422	1,542	442	107	549
2032	2,059	0	0	2,059	0	2,059	430	0	0	0	430	1,629	457	110	566
2033	2,004	0	0	2,004	0	2,004	405	0	0	0	405	1,599	458	111	569
2034	2,128	0	0	2,128	0	2,128	416	0	0	0	416	1,712	477	114	592
2035	2,070	0	0	2,070	0	2,070	418	0	0	0	418	1,652	479	115	593
2036	2,091	0	0	2,091	0	2,091	403	0	0	0	403	1,687	486	117	603
2037	2,158	0	0	2,158	0	2,158	439	0	0	0	439	1,718	495	120	614
2038	2,192	0	0	2,192	0	2,192	436	0	0	0	436	1,756	504	122	626
2039	2,267	0	0	2,267	0	2,267	467	0	0	0	467	1,800	514	125	639
2040	2,329	0	0	2,329	0	2,329	470	0	0	0	470	1,859	528	128	656
2041	2,366	0	0	2,366	0	2,366	573	0	0	0	573	1,793	539	130	668
2042	2,242	0	0	2,242	0	2,242	321	0	0	0	321	1,921	495	114	610
2043	2,315	0	0	2,315	0	2,315	550	0	0	0	550	1,765	560	133	693
2044	2,256	0	0	2,256	0	2,256	462	0	0	0	462	1,794	528	123	651
2045	2,223	0	0	2,223	0	2,223	441	0	0	0	441	1,782	561	136	697
2046	2,006	0	0	2,006	0	2,006	415	0	0	0	415	1,592	514	121	635
2047	1,970	0	0	1,970	0	1,970	528	0	0	0	528	1,442	429	97	526
2048	1,492	0	0	1,492	0	1,492	363	0	0	0	363	1,129	336	70	406
2049	1,091	0	0	1,091	0	1,091	229	0	0	0	229	862	270	52	321
2050	783	0	0	783	0	783	202	0	0	0	202	581	196	35	231
2051	476	0	0	476	0	476	111	0	0	0	111	365	132	20	152
2052	354	0	0	354	0	354	80	0	0	0	80	274	98	12	110
2053	160	0	0	160	0	160	32	0	0	0	32	128	57	5	62
Tot.	**60,092**	**0**	**0**	**60,092**	**0**	**60,092**	**11,485**	**0**	**0**	**0**	**11,485**	**48,607**	**14,261**	**3,314**	**17,576**
Disc	8,682	0	0	8,682	0	8,682	1,380	0	0	0	1,380	7,301	2,152	499	2,651

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Year	Mineral Tax MM$	Capital Tax MM$	NPI Burden MM$	**Net Prod'n Revenue** MM$	Other Income MM$	**Aband. Costs** MM$	**Oper. Income** MM$	**Net Capital Investment** Dev. MM$	Plant MM$	Tang. MM$	Total MM$	**Before Tax Cash Flow** Annual MM$	Cum. MM$	10.0% Dcf MM$
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	4	0	30	35	-35	-35	-33
2013	0	0	0	0	0	0	0	4	0	84	89	-89	-123	-109
2014	0	0	0	0	0	0	0	46	0	212	258	-258	-381	-310
2015	0	0	0	-10	0	0	-10	64	0	275	339	-349	-730	-558
2016	0	0	0	68	0	0	68	9	0	358	367	-299	-1,028	-751
2017	0	0	0	139	0	0	139	239	0	343	583	-444	-1,472	-1,012
2018	0	0	0	218	0	0	218	22	0	219	241	-23	-1,495	-1,024
2019	0	0	0	439	0	0	439	52	0	426	478	-39	-1,534	-1,043
2020	0	0	0	557	0	0	557	302	0	417	719	-162	-1,697	-1,115
2021	0	0	0	596	0	0	596	169	0	200	369	227	-1,469	-1,024
2022	0	0	0	1,010	0	0	1,010	41	0	86	127	883	-586	-702
2023	0	0	0	1,080	0	6	1,074	81	0	115	196	878	292	-410
2024	0	0	0	925	0	9	916	280	0	249	529	387	679	-294
2025	0	0	0	843	0	1	842	48	0	104	153	690	1,368	-105
2026	0	0	0	942	0	36	906	227	0	227	454	453	1,821	8
2027	0	0	0	806	0	0	806	187	0	195	382	424	2,245	104
2028	0	0	0	895	0	4	891	214	0	222	435	456	2,701	198
2029	0	0	0	992	0	46	945	166	0	199	365	580	3,281	306
2030	0	0	0	920	0	14	906	222	0	223	445	460	3,741	385
2031	0	0	0	993	0	6	987	168	0	193	360	627	4,368	482
2032	0	0	0	1,062	0	34	1,028	198	0	219	417	611	4,979	567
2033	0	0	0	1,030	0	2	1,028	204	0	218	423	605	5,584	645
2034	0	0	0	1,120	0	33	1,087	243	0	254	497	590	6,175	713
2035	0	0	0	1,059	0	23	1,036	206	0	226	432	604	6,779	777
2036	0	0	0	1,084	0	24	1,060	234	0	245	479	581	7,360	833
2037	0	0	0	1,104	0	23	1,081	214	0	232	445	635	7,996	889
2038	0	0	0	1,130	0	21	1,108	231	0	244	475	633	8,629	939
2039	0	0	0	1,161	0	16	1,145	221	0	239	460	685	9,313	988
2040	0	0	0	1,203	0	21	1,182	241	0	257	499	683	9,997	1,033
2041	0	0	0	1,125	0	21	1,104	99	0	165	265	839	10,836	1,083
2042	0	0	0	1,311	0	29	1,283	440	0	389	830	453	11,289	1,108
2043	0	0	0	1,072	0	24	1,047	87	0	161	247	800	12,089	1,147
2044	0	0	0	1,144	0	27	1,117	212	0	239	451	665	12,754	1,177
2045	0	0	0	1,085	0	24	1,061	197	0	227	423	638	13,392	1,203
2046	0	0	0	956	0	24	932	145	0	189	334	598	13,991	1,225
2047	0	0	0	916	0	23	892	22	0	102	124	768	14,759	1,251
2048	0	0	0	723	0	26	697	62	0	116	179	518	15,277	1,267
2049	0	0	0	540	0	33	508	79	0	117	197	311	15,588	1,275
2050	0	0	0	350	0	30	320	1	0	47	47	272	15,860	1,282
2051	0	0	0	213	0	1	212	8	0	39	47	166	16,026	1,286
2052	0	0	0	165	0	23	142	9	0	37	46	97	16,122	1,288
2053	0	0	0	66	0	25	40	0	0	18	18	23	16,145	1,289
Tot.	**0**	**0**	**0**	**31,031**	**0**	**630**	**30,402**	**5,898**	**0**	**8,359**	**14,257**	**16,145**	**16,145**	**1,289**
Disc	0	0	0	4,650	0	58	4,592	1,107	0	2,197	3,304	1,289	1,289	1,289

SUMMARY OF RESERVES

Product	Units	**Remaining Reserves at Dec 01, 2011** Gross	Working Interest	Roy/NPI Interest	Total Company	Net	**Oil Equivalents** Oil Eq. Factor	Company Mboe	% of Total	**Reserve Life Indic. (yr)** Reserve Life	Life Index	Half Life
Heavy Oil	Mbbl	637,476	637,476	0	637,476	519,508	1.000	637,476	100	42.1	821.9	23.2
Total: Oil Eq.	Mboe	637,476	637,476	0	637,476	519,508	1.000	637,476	100	42.1	821.9	23.2

PRODUCT REVENUE AND EXPENSES

Product	Units	**Average First Year Unit Values** Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	**Net Revenue After Royalties** Undisc MM$	% of Total	10% Disc MM$	% of Total
Heavy Oil	$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48,607	100	7,301	100
Total: Oil Eq.	$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48,607	100	7,301	100

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INTEREST AND NET PRESENT VALUE SUMMARY

Revenue Interests and Burdens (%)	Initial	Average
Working Interest	0.0000	100.0000
Capital Interest	0.0000	100.0000
Royalty Interest	0.0000	0.0000
Crown Royalty	0.0000	19.1121
Non-crown Royalty	0.0000	0.0000
Mineral Tax	0.0000	0.0000

	Net Present Value Before Income Tax				
Disc. Rate %	Prod'n Revenue MM$	Operating Income MM$	Capital Invest. MM$	Cash Flow MM$	Cash Flow $/boe
0.0	31,031	30,402	14,257	16,145	25.33
5.0	10,820	10,648	6,085	4,563	7.16
8.0	6,378	6,291	4,119	2,172	3.41
10.0	4,650	4,592	3,304	1,289	2.02
12.0	3,476	3,437	2,719	718	1.13
15.0	2,339	2,316	2,111	205	0.32
20.0	1,315	1,305	1,495	-189	-0.30

Evaluator: Bennett, Caralyn P.
Run Date: December 15, 2011 15:53:27