

DRAKKAR ENERGY LTD.
RESERVES ASSESSMENT AND
EVALUATION OF THE
GIROUXVILLE PROPERTY
CORPORATE SUMMARY

Effective December 31, 2018

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June 28, 2019

Project 1192143

Mr. Riley Waite
Drakkar Energy Ltd.
1220, 717 – 7th Avenue S.W.
Calgary, Alberta T2P 0Z3

Dear Sir:

**Re: Drakkar Energy Ltd.
Corporate Evaluation
Effective December 31, 2018**

GLJ Petroleum Consultants (GLJ) has completed an independent reserves assessment and evaluation of the Girouxville property of Drakkar Energy Ltd. (the “Company”). The effective date of this evaluation is December 31, 2018.

This report has been prepared for the Company for the purpose of annual disclosure and other financial requirements. This evaluation has been prepared in accordance with reserves definitions, standards and procedures contained in the Canadian Oil and Gas Evaluation Handbook.

It is trusted that this evaluation meets your current requirements. Should you have any questions regarding this analysis, please contact the undersigned.

Yours very truly,

GLJ PETROLEUM CONSULTANTS LTD.

A handwritten signature in blue ink, appearing to read 'Nina Lee'.

Nina Lee, P. Eng.
Senior Engineer

A handwritten signature in blue ink, appearing to read 'Chad P. Lemke'.

Chad P. Lemke, P. Eng.
Vice President

NL/CPL/jem
Attachments


INDEPENDENT PETROLEUM CONSULTANTS' CONSENT

The undersigned firm of Independent Petroleum Consultants of Calgary, Alberta, Canada has prepared an independent evaluation of the **Drakkar Energy Ltd.** (the "Company") Girouxville property and hereby gives consent to the use of its name and to the said estimates. The effective date of the evaluation is **December 31, 2018**.

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. nonconfidential 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 recommended in the Canadian Oil and Gas Evaluation (COGE) Handbook 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 and production estimate is a function of the quality and quantity of available data and of engineering interpretation and judgment. While reserves 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 utilized 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.
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> Signature: _____ Date: _____ </div> <div style="width: 60%; text-align: center;">  PERMIT NUMBER: P 2066 <small>The Association of Professional Engineers and Geoscientists of Alberta</small> </div> </div>



INTRODUCTION

GLJ Petroleum Consultants (GLJ) was commissioned by Drakkar Energy Ltd. (the “Company”) to prepare an independent evaluation of its oil and gas reserves effective December 31, 2018. The location of the reserves property is indicated on the attached index map.

The evaluation was initiated in May 2019 and completed by June 2019. Estimates of reserves and projections of production were generally prepared using well information and production data available from public sources to approximately December 31, 2018. The Company provided land, accounting data and other technical information not available in the public domain to approximately December 31, 2018. In certain instances, the Company also provided recent engineering, geological and other information up to December 31, 2018. 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.

This evaluation has been prepared in accordance with procedures and standards contained in the Canadian Oil and Gas Evaluation (COGE) Handbook. The reserves definitions used in preparing this report (included herein under “Reserves Definitions”) are those contained in the COGE Handbook and the Canadian Securities Administrators National Instrument 51-101 (NI 51-101).

The evaluation was conducted on the basis of the GLJ January 1, 2019 Price Forecast which is summarized in the Product Price and Market Forecasts section of this report.

Tables summarizing production, royalties, costs, revenue projections, reserves and present value estimates for various reserves categories for the Girouxville property 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 summarizes evaluation matters that have been included/excluded in cash flow projections:

- in accordance with NI 51-101, the effect on projected revenues of the Company’s financial hedging activity has not been included,
- provisions for the abandonment and reclamation of all of the Company’s existing and future 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,

The “Securities Reporting” section of this report provides reserves data in a format that is consistent with the disclosure requirements set out in NI 51-101.

Economic forecasts are provided on an after tax basis including tax pools provided by the Company in the “After Tax Analysis” section.

The preparation of an evaluation requires the use of judgment in applying the standards and definitions contained in the COGE Handbook and NI 51-101. GLJ has applied those standards and definitions based on its experience and knowledge of industry practice. While GLJ believes that the reserves data set forth in this evaluation have, in all material respects, been determined and are in accordance with the COGE Handbook, because the application of the standards and definitions contained in the COGE Handbook and NI 51-101 require the use of judgment there is no assurance that the applicable securities regulator(s) will not take a different view as to some of the determinations in the evaluation.

Map 1
Index Map
Property Locations

Company: Drakkar Energy Ltd.
Property: Alberta

Effective Date: December 31, 2018
Scale 1:6,000,000 s1192143/indm01



SUMMARY

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Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Table 1

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

	Proved Producing	Proved Developed Non- Producing	Proved Undeveloped	Total Proved	Total Probable	Total Proved Plus Probable
MARKETABLE RESERVES						
<u>Tight Oil (Mbbl)</u>						
Total Company Interest	99	65	382	546	548	1,094
Working Interest	99	65	382	546	548	1,094
Net After Royalty	70	55	313	438	447	885
<u>Shale Gas (MMcf)</u>						
Total Company Interest	0	423	962	1,384	1,463	2,847
Working Interest	0	423	962	1,384	1,463	2,847
Net After Royalty	0	369	838	1,208	1,280	2,487
<u>Natural Gas Liquids (Mbbl)</u>						
Total Company Interest	4	3	14	20	21	41
Working Interest	4	3	14	20	21	41
Net After Royalty	2	2	11	15	17	32
<u>Oil Equivalent (Mboe)</u>						
Total Company Interest	102	138	556	796	813	1,609
Working Interest	102	138	556	796	813	1,609
Net After Royalty	72	118	464	654	677	1,331
BEFORE TAX PRESENT VALUE (M\$)						
0%	508	1,457	10,529	12,495	16,491	28,986
5%	515	1,197	8,013	9,726	10,830	20,555
8%	509	1,062	6,869	8,441	8,565	17,005
10%	502	981	6,226	7,709	7,378	15,088
12%	495	907	5,662	7,063	6,392	13,455
15%	482	806	4,940	6,228	5,204	11,432
20%	459	667	3,994	5,119	3,777	8,897
FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$)						
2019	198	-187	0	10	5	16
2020	219	104	-892	-568	280	-288
2021	146	455	2,666	3,266	-3,575	-309
2022	73	327	2,001	2,402	4,354	6,755
2023	-103	258	1,400	1,555	2,429	3,984
2024	75	206	1,062	1,344	1,803	3,146

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: June 26, 2019 15:25:40

1192143 Class (A,B1,B2,C,F,I), GLJ (2019-01), psum

June 26, 2019 15:34:21

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **Summary**

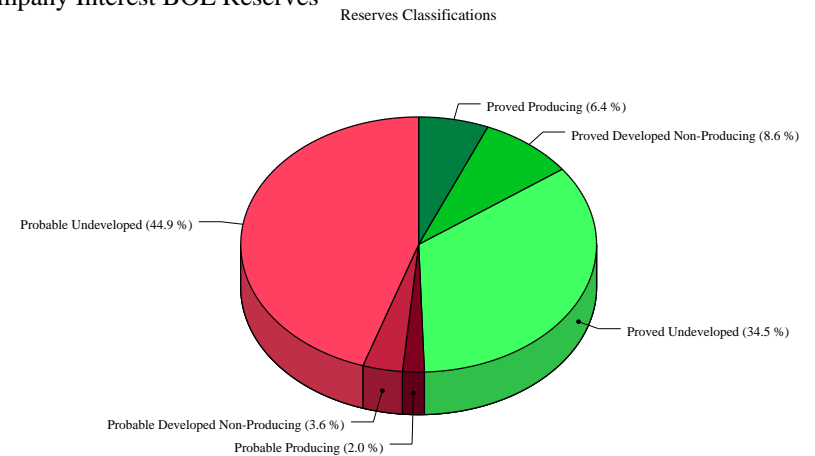
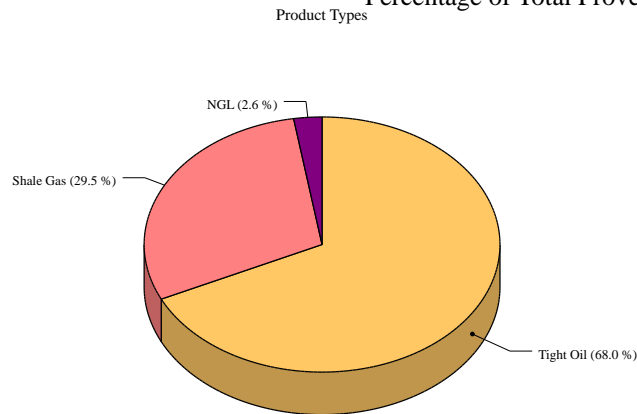
Table 2

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2019-01)**
Effective Date: **December 31, 2018**

Company Production, Reserves and Present Value Summary

Entity Description	2019 Company Interest Prod'n				Company Interest Reserves					Net After Royalty Reserves					Reserve Life Index yrs	Before Income Tax Discounted Present Value (M\$)				
	Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Oil Eq. Mboe	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Oil Eq. Mboe		0%	5%	8%	10%	12%
Proved Producing	0	61	0	61	0	99	4	0	102	0	70	2	0	72	4.6	508	515	509	502	495
Proved Developed Non-Producing	0	6	0	6	423	65	3	0	138	369	55	2	0	118	60.5	1,457	1,197	1,062	981	907
Proved Undeveloped	0	0	0	0	962	382	14	0	556	838	313	11	0	464	6.7	10,529	8,013	6,869	6,226	5,662
Total Proved	0	68	0	68	1,384	546	20	0	796	1,208	438	15	0	654	32.3	12,495	9,726	8,441	7,709	7,063
Probable Producing	0	1	0	1	0	30	1	0	32	0	22	1	0	23	120.7	452	351	302	274	249
Probable Developed Non-Producing	0	0	0	0	184	26	1	0	58	161	22	1	0	49	999.9	974	697	574	507	450
Probable Undeveloped	0	0	0	0	1,278	491	18	0	723	1,119	403	15	0	605	125.2	15,065	9,782	7,689	6,598	5,694
Total Probable	0	1	0	1	1,463	548	21	0	813	1,280	447	17	0	677	999.9	16,491	10,830	8,565	7,378	6,392
Proved Plus Probable Producing	0	62	0	62	0	129	5	0	134	0	92	3	0	95	5.9	960	867	811	776	743
Proved Plus Probable Developed Non-Producing	0	6	0	6	607	92	4	0	197	530	77	3	0	168	86.1	2,432	1,894	1,636	1,488	1,356
Proved Plus Probable Undeveloped	0	0	0	0	2,240	873	32	0	1,279	1,957	717	26	0	1,069	14.5	25,594	17,795	14,558	12,824	11,356
Total Proved Plus Probable	0	68	0	68	2,847	1,094	41	0	1,609	2,487	885	32	0	1,331	64.5	28,986	20,555	17,005	15,088	13,455

Reserves Characterization
Percentage of Total Proved Plus Probable Company Interest BOE Reserves



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:
Property:
Description:

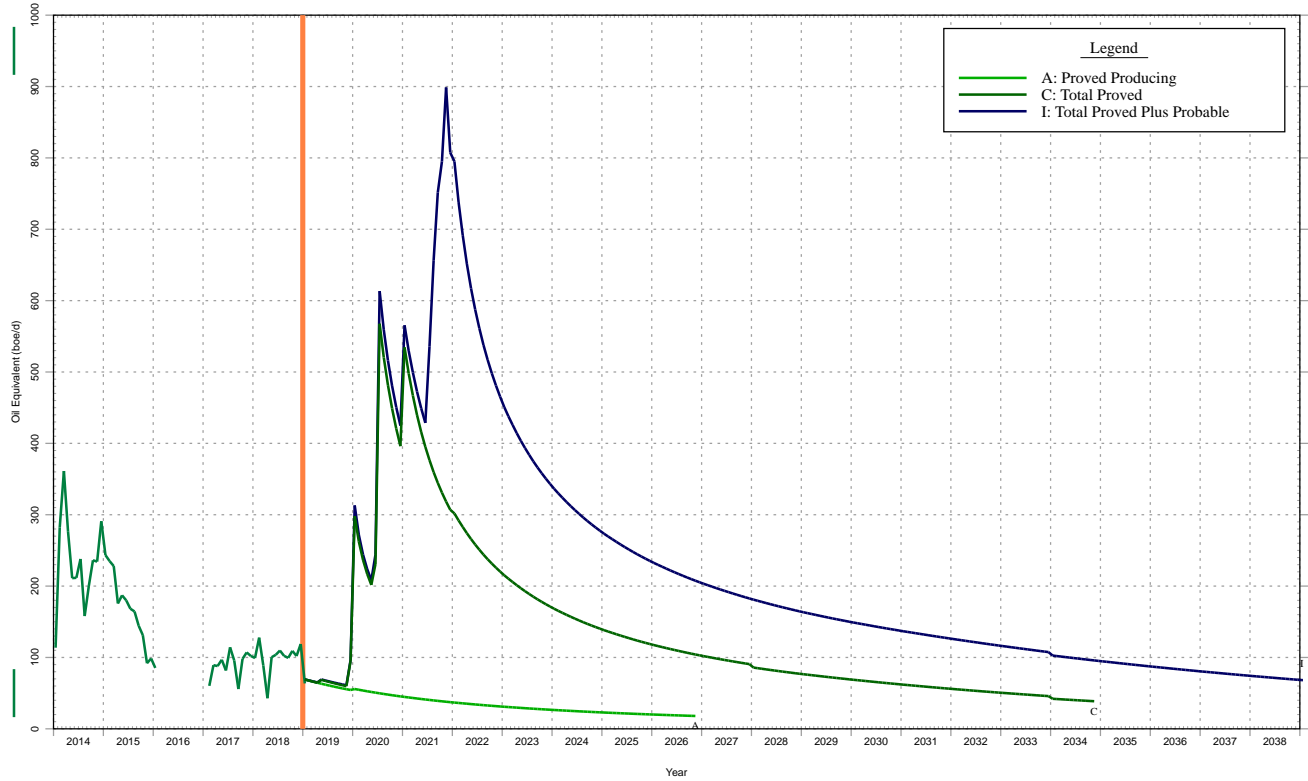
Drakkar Energy Ltd.
Corporate
Summary

Historical and Forecast Production

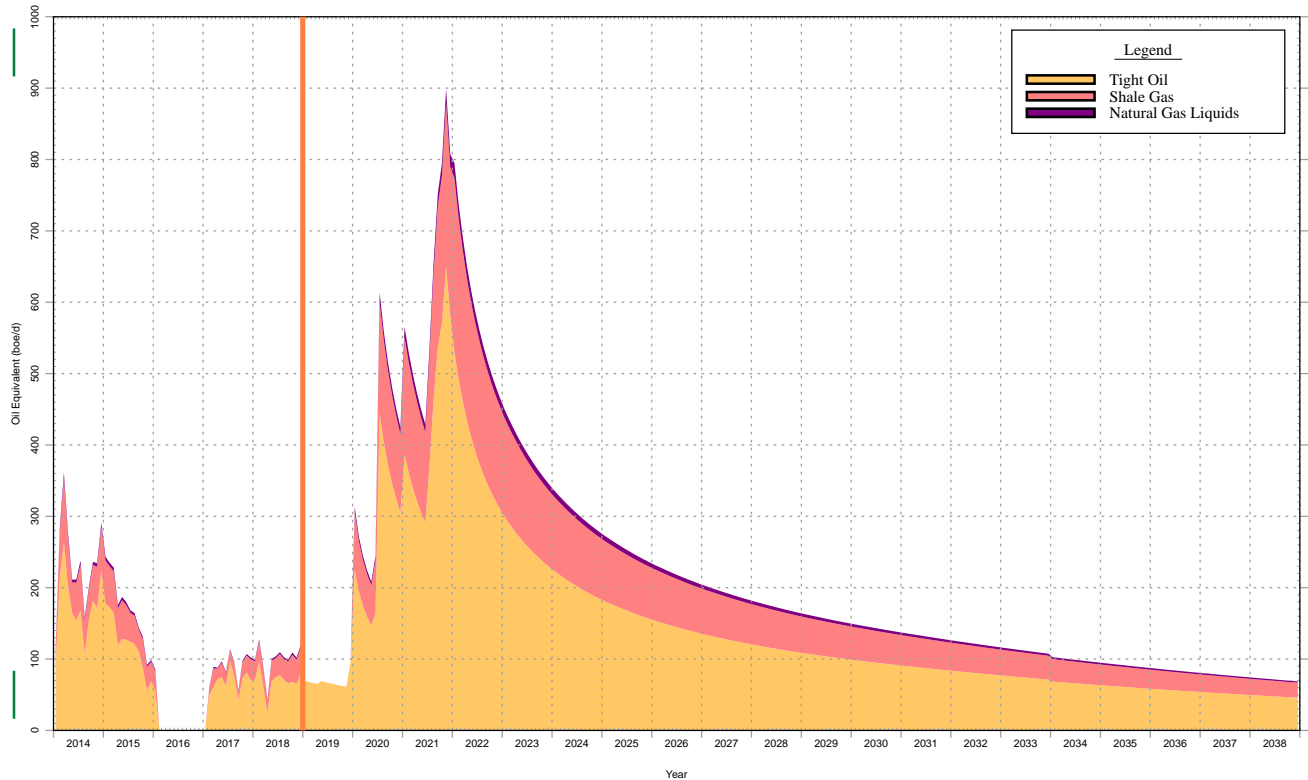
Pricing:
Effective Date:

GLJ (2019-01)
December 31, 2018

Company* Interest Oil Equivalent



Company* Interest Oil Equivalent - Total Proved Plus Probable



*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.

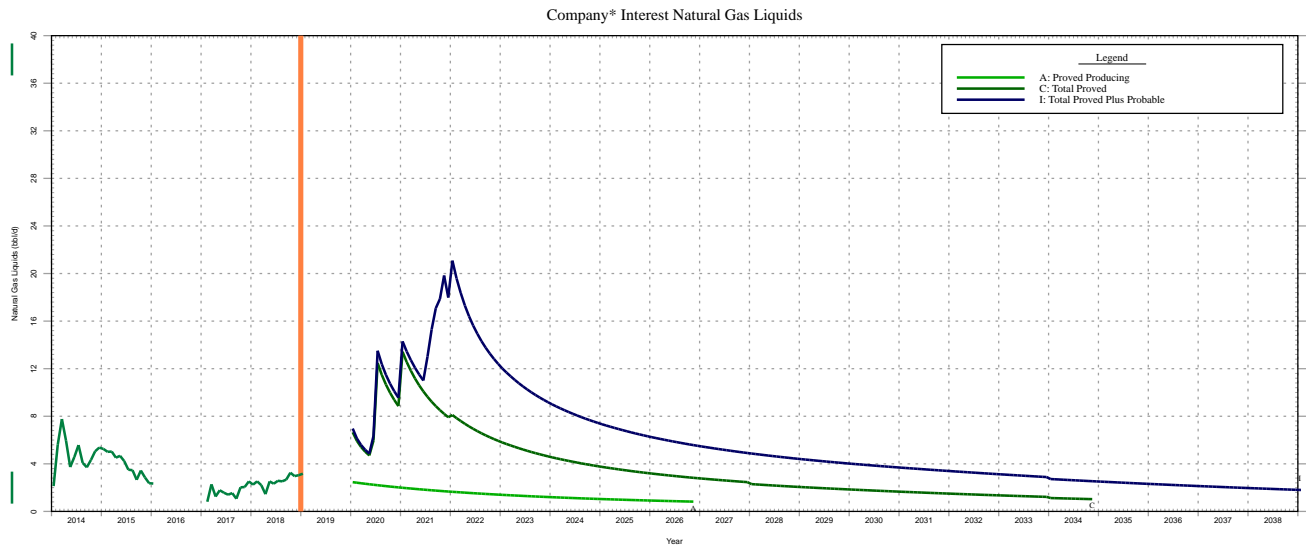
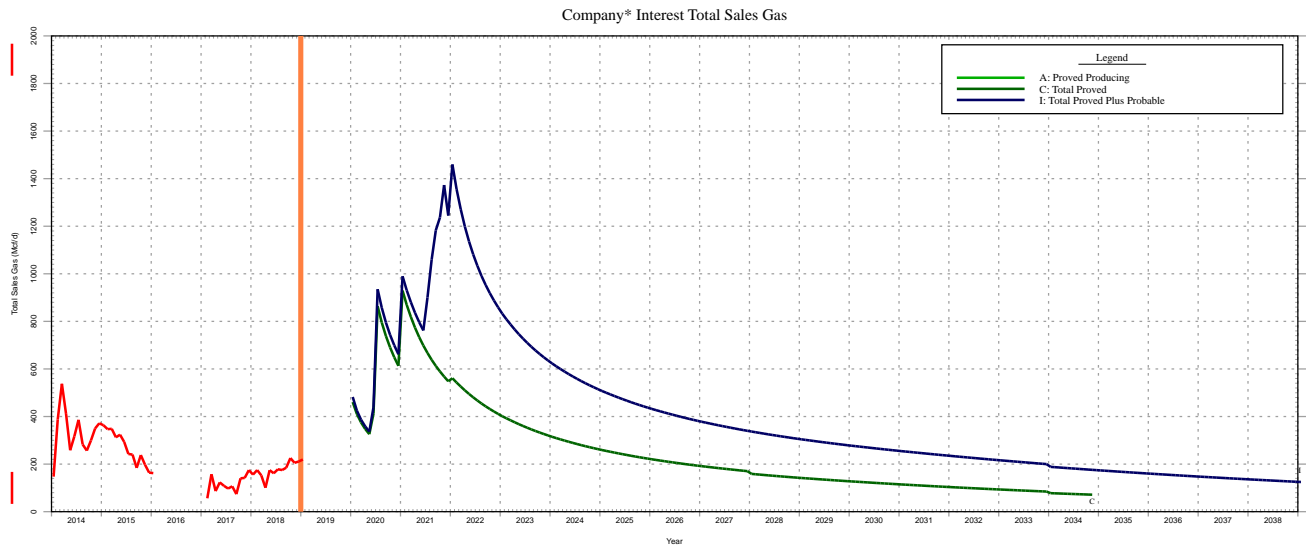
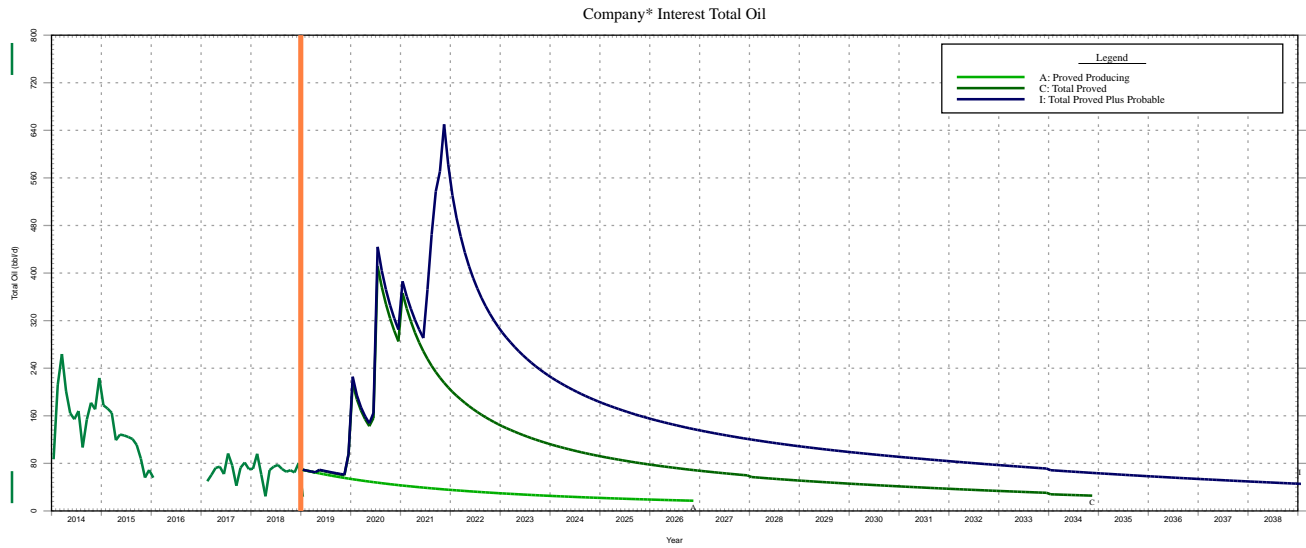
Company:
Property:
Description:

Drakkar Energy Ltd.
Corporate
Summary

Historical and Forecast Production

Pricing:
Effective Date:

GLJ (2019-01)
December 31, 2018



*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.

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Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

	Proved Producing	Proved Developed Non-Producing	Proved Undeveloped	Total Proved Non-Producing	Total Proved
MARKETABLE RESERVES					
<u>Tight Oil (Mbbl)</u>					
Total Company Interest	99	65	382	447	546
Working Interest	99	65	382	447	546
Net After Royalty	70	55	313	368	438
<u>Shale Gas (MMcf)</u>					
Total Company Interest	0	423	962	1,384	1,384
Working Interest	0	423	962	1,384	1,384
Net After Royalty	0	369	838	1,208	1,208
<u>Natural Gas Liquids (Mbbl)</u>					
Total Company Interest	4	3	14	16	20
Working Interest	4	3	14	16	20
Net After Royalty	2	2	11	13	15
<u>Oil Equivalent (Mboe)</u>					
Total Company Interest	102	138	556	694	796
Working Interest	102	138	556	694	796
Net After Royalty	72	118	464	582	654
BEFORE TAX PRESENT VALUE (M\$)					
0%	508	1,457	10,529	11,987	12,495
5%	515	1,197	8,013	9,210	9,726
8%	509	1,062	6,869	7,932	8,441
10%	502	981	6,226	7,207	7,709
12%	495	907	5,662	6,569	7,063
15%	482	806	4,940	5,747	6,228
20%	459	667	3,994	4,661	5,119
FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$)					
2019	198	-187	0	-187	10
2020	219	104	-892	-787	-568
2021	146	455	2,666	3,120	3,266
2022	73	327	2,001	2,329	2,402
2023	-103	258	1,400	1,658	1,555
2024	75	206	1,062	1,268	1,344

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: June 26, 2019 15:25:39

1192143 Class (A,B1,B2,B,C), GLJ (2019-01), psum

June 26, 2019 15:34:32

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **Summary**

Reserve Class:
Development Class:
Pricing:
Effective Date:

**Various Classifications
GLJ (2019-01)
December 31, 2018**

Company Production, Reserves and Present Value Summary

Entity Description	2019 Company Interest Prod'n				Company Interest Reserves					Net After Royalty Reserves					Reserve Life Index yrs	Before Income Tax Discounted Present Value (M\$)				
	Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Oil Eq. Mboe	Gas MMcf	Oil Mbbl	NGL Mbbl	Sulphur Mlt	Oil Eq. Mboe		0%	5%	8%	10%	12%
Proved Producing																				
Girouxville	0	61	0	61	0	99	4	0	102	0	70	2	0	72	4.6	508	515	509	502	495
Total: Proved Producing	0	61	0	61	0	99	4	0	102	0	70	2	0	72		508	515	509	502	495
Proved Developed Non-Producing																				
Girouxville	0	6	0	6	423	65	3	0	138	369	55	2	0	118	60.5	1,457	1,197	1,062	981	907
Total: Proved Developed Non-Producing	0	6	0	6	423	65	3	0	138	369	55	2	0	118		1,457	1,197	1,062	981	907
Proved Undeveloped																				
Girouxville	0	0	0	0	962	382	14	0	556	838	313	11	0	464	6.7	10,529	8,013	6,869	6,226	5,662
Total: Proved Undeveloped	0	0	0	0	962	382	14	0	556	838	313	11	0	464		10,529	8,013	6,869	6,226	5,662
Total Proved Non-Producing																				
Girouxville	0	6	0	6	1,384	447	16	0	694	1,208	368	13	0	582	303.4	11,987	9,210	7,932	7,207	6,569
Total: Total Proved Non-Producing	0	6	0	6	1,384	447	16	0	694	1,208	368	13	0	582		11,987	9,210	7,932	7,207	6,569
Total Proved																				
Girouxville	0	68	0	68	1,384	546	20	0	796	1,208	438	15	0	654	32.3	12,495	9,726	8,441	7,709	7,063
Total: Total Proved	0	68	0	68	1,384	546	20	0	796	1,208	438	15	0	654		12,495	9,726	8,441	7,709	7,063

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: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Proved**
 Development Class: **Producing**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Condensate Production				Butane Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	1	61	22	15	48.33	0	0	0	0.00	0	0	0	0.00
2020	1	48	18	12	60.02	1	0	0	74.12	1	0	0	32.56
2021	1	39	14	10	64.14	1	0	0	78.34	1	0	0	42.65
2022	1	32	12	8	65.56	1	0	0	80.19	1	0	0	51.73
2023	1	27	10	7	67.30	0	0	0	82.39	0	0	0	53.06
2024	1	24	9	6	69.50	0	0	0	84.78	0	0	0	54.72
2025	1	21	7	6	72.20	0	0	0	87.70	0	0	0	56.73
2026	1	18	7	5	75.39	0	0	0	91.12	0	0	0	59.09
2027	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2028	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2029	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2031	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			99	70	62.14		1	1	80.99		1	1	47.35

Year	Propane Production				Natural Gas Liquids Production				Oil + Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	61	22	15	48.33
2020	1	0	0	27.29	2	1	0	47.33	51	18	12	59.46
2021	0	0	0	31.48	2	1	0	53.80	41	15	10	63.68
2022	0	0	0	33.80	2	1	0	58.54	34	12	9	65.25
2023	0	0	0	36.36	1	0	0	60.49	29	10	8	66.99
2024	0	0	0	37.51	1	0	0	62.31	25	9	7	69.17
2025	0	0	0	38.91	1	0	0	64.53	21	8	6	71.85
2026	0	0	0	40.57	1	0	0	67.13	19	7	5	75.01
2027	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2028	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2029	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2031	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		1	1	33.75		4	2	57.15		102	72	61.97

Oil Equivalent Production

Year	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	61	22	15	48.33
2020	51	18	12	59.46
2021	41	15	10	63.68
2022	34	12	9	65.25
2023	29	10	8	66.99
2024	25	9	7	69.17
2025	21	8	6	71.85
2026	19	7	5	75.01
2027	0	0	0	0.00
2028	0	0	0	0.00
2029	0	0	0	0.00
2030	0	0	0	0.00
2031	0	0	0	0.00
Tot.		102	72	61.97

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens Pre-Processing	Gas Processing Allowance		Total Royalty After Process. M\$	Net Revenue After Royalty M\$	Operating Expenses			
	Working Interest				Royalty Interest Total M\$	Company Interest Total M\$		Crown M\$	Other M\$			Fixed M\$	Variable M\$	Total M\$	
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$											
2019	1,082	0	0	1,082	0	1,082	254	87	0	0	340	742	416	101	517
2020	1,058	0	39	1,096	0	1,096	284	88	0	0	372	724	424	81	505
2021	914	0	36	950	0	950	229	76	0	0	305	645	433	67	499
2022	776	0	33	809	0	809	173	65	0	0	238	571	441	57	498
2023	675	0	29	703	0	703	137	56	0	0	194	510	336	49	385
2024	600	0	26	626	0	626	114	50	0	0	164	461	343	43	386
2025	540	0	23	563	0	563	93	45	0	0	138	425	350	38	388
2026	496	0	21	517	0	517	79	41	0	0	121	396	357	34	391
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	6,141	0	205	6,346	0	6,346	1,364	508	0	0	1,872	4,474	3,100	469	3,569
Disc	4,553	0	142	4,694	0	4,694	1,039	376	0	0	1,414	3,280	2,206	353	2,560

Year	Aband. & Oper.							Net Capital Investment				Before Tax Cash Flow		
	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Recl. Costs M\$	Oper. Income M\$	Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Def M\$
2019	0	0	0	226	0	0	226	28	0	0	28	198	198	188
2020	0	0	0	219	0	0	219	0	0	0	0	219	417	378
2021	0	0	0	146	0	0	146	0	0	0	0	146	562	493
2022	0	0	0	73	0	0	73	0	0	0	0	73	635	545
2023	0	0	0	124	0	0	124	227	0	0	227	-103	533	479
2024	0	0	0	75	0	0	75	0	0	0	0	75	608	523
2025	0	0	0	37	0	0	37	0	0	0	0	37	645	543
2026	0	0	0	5	0	0	5	0	0	0	0	5	650	546
2027	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2028	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2029	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2030	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2031	0	0	0	0	0	142	-142	0	0	0	0	-142	508	502
Tot.	0	0	0	905	0	142	763	255	0	0	255	508	508	502
Disc	0	0	0	720	0	43	677	175	0	0	175	502	502	502

SUMMARY OF RESERVES

Remaining Reserves at Jan 01, 2019						Oil Equivalents			Reserve Life Indic. (yr)		
Product	Units	Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	99	0	99	70	1.000	99	96	8.0	4.4	2.7
Condensate	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Butane	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Propane	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Total: NGL	Mbbl	4	0	4	2	1.000	4	4	8.0	4.4	3.6
Total: Oil+NGL	Mbbl	102	0	102	72	1.000	102	100	8.0	4.6	2.7
Total: Oil Eq.	Mboe	102	0	102	72	1.000	102	100	8.0	4.6	2.7

PRODUCT REVENUE AND EXPENSES

Average First Year Unit Values									Net Revenue After Royalties			
Product	Units	Base Price	Price Adjust.	Wellhead Price	Net Burdens	Operating Expenses	Other Expenses	Prod'n Revenue	Undisc M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,357	97	3,200	98
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59	1	41	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40	1	27	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	0	12	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	3	80	2
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,474	100	3,280	100
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,474	100	3,280	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax					
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average	M\$					\$/boe	
Crown Royalty	23.4284	21.4959	0	905	763	255	508	4.96
Non-crown Royalty	8.0000	8.0000	5	802	725	210	515	5.03
Mineral Tax	0.0000	0.0000	8	751	697	188	509	4.97
			10	720	677	175	502	4.91
			12	692	658	163	495	4.83
			15	654	629	147	482	4.70
			20	599	584	126	459	4.48

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:38

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Proved**
 Development Class: **Developed Non-Producing**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	1	6	2	2	48.33	0	0	0	0.00	0	0	0	0.00
2020	1	39	14	12	60.02	253	92	81	2.07	1	0	0	74.12
2021	1	27	10	8	64.14	203	74	65	2.44	0	0	0	78.34
2022	1	19	7	6	65.56	157	57	50	2.66	0	0	0	80.19
2023	1	15	5	5	67.30	129	47	41	2.91	0	0	0	82.39
2024	1	12	4	4	69.50	109	40	35	2.99	0	0	0	84.78
2025	1	10	4	3	72.20	94	34	30	3.10	0	0	0	87.70
2026	1	9	3	3	75.39	82	30	26	3.17	0	0	0	91.12
2027	3	24	9	7	76.99	73	27	23	3.24	0	0	0	92.95
2028	2	19	7	6	78.63	56	20	18	3.30	0	0	0	94.82
2029	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2031	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2032	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2033	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			65	55	67.68		423	369	2.69		1	1	83.74

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	1	0	0	32.56	0	0	0	27.29	1	1	0	47.33
2021	0	0	0	42.65	0	0	0	31.48	1	0	0	53.80
2022	0	0	0	51.73	0	0	0	33.81	1	0	0	58.54
2023	0	0	0	53.06	0	0	0	36.36	1	0	0	60.49
2024	0	0	0	54.72	0	0	0	37.51	0	0	0	62.31
2025	0	0	0	56.73	0	0	0	38.91	0	0	0	64.53
2026	0	0	0	59.09	0	0	0	40.57	0	0	0	67.13
2027	0	0	0	60.34	0	0	0	41.43	1	0	0	68.52
2028	0	0	0	61.61	0	0	0	42.30	1	0	0	69.93
2029	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2031	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2032	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2033	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		1	1	49.72		1	0	35.31		3	2	59.48

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	6	2	2	48.33	6	2	2	48.33
2020	40	15	13	59.58	82	30	26	35.43
2021	29	10	8	63.74	62	23	19	37.13
2022	20	7	6	65.30	46	17	14	37.17
2023	15	6	5	67.05	37	13	12	37.95
2024	12	5	4	69.23	31	11	10	38.65
2025	10	4	3	71.92	26	10	8	39.81
2026	9	3	3	75.08	23	8	7	41.14
2027	25	9	7	76.63	37	13	11	57.72
2028	20	7	6	78.28	29	11	9	59.55
2029	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00
2031	0	0	0	0.00	0	0	0	0.00
2032	0	0	0	0.00	0	0	0	0.00
2033	0	0	0	0.00	0	0	0	0.00
Tot.		68	57	67.37		138	118	41.29

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens Pre-Processing		Gas Processing Allowance		Total Royalty After Process. M\$	Net Revenue After Royalty M\$	Operating Expenses		
	Working Interest				Royalty Interest Total M\$	Company Interest Total M\$									
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$			Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$	Fixed M\$	Variable M\$	Total M\$
2019	111	0	0	111	0	111	3	6	0	0	9	102	34	10	44
2020	849	191	25	1,065	0	1,065	87	66	11	7	135	931	82	159	241
2021	643	181	22	847	0	847	124	55	10	6	163	684	105	124	229
2022	455	153	16	624	0	624	68	41	8	5	96	528	107	94	201
2023	358	137	13	508	0	508	42	33	7	4	64	444	109	77	186
2024	301	120	10	431	0	431	29	28	6	3	48	383	111	66	177
2025	263	106	9	379	0	379	23	25	5	3	39	339	114	57	171
2026	237	95	8	341	0	341	20	22	5	3	35	306	116	51	167
2027	662	86	26	775	0	775	67	57	2	2	120	655	482	77	559
2028	544	67	21	632	0	632	55	46	2	2	97	535	432	62	493
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	4,425	1,138	149	5,712	0	5,712	518	378	56	35	805	4,907	1,691	776	2,467
Disc	2,859	748	93	3,700	0	3,700	343	241	38	24	522	3,177	906	517	1,423

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs		Net Capital Investment				Before Tax Cash Flow		
						Oper. Income M\$		Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	58	0	0	58	245	0	0	245	-187	-187	-178
2020	0	0	0	690	0	0	690	585	0	0	585	104	-83	-88
2021	0	0	0	455	0	0	455	0	0	0	0	455	372	271
2022	0	0	0	327	0	0	327	0	0	0	0	327	699	505
2023	0	0	0	258	0	0	258	0	0	0	0	258	957	673
2024	0	0	0	206	0	0	206	0	0	0	0	206	1,164	795
2025	0	0	0	168	0	0	168	0	0	0	0	168	1,332	886
2026	0	0	0	140	0	0	140	0	0	0	0	140	1,472	954
2027	0	0	0	96	0	0	96	0	0	0	0	96	1,568	997
2028	0	0	0	42	0	0	42	0	0	0	0	42	1,609	1,014
2029	0	0	0	0	0	0	0	0	0	0	0	0	1,609	1,014
2030	0	0	0	0	0	0	0	0	0	0	0	0	1,609	1,014
2031	0	0	0	0	0	-142	142	0	0	0	0	142	1,751	1,057
2032	0	0	0	0	0	72	-72	0	0	0	0	-72	1,679	1,037
2033	0	0	0	0	0	222	-222	0	0	0	0	-222	1,457	981
Tot.	0	0	0	2,440	0	152	2,288	830	0	0	830	1,457	1,457	981
Disc	0	0	0	1,755	0	33	1,722	741	0	0	741	981	981	981

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	65	0	65	55	1.000	65	47	10.0	28.6	3.9
Shale Gas	MMcf	423	0	423	369	6.000	70	51	10.0	4.6	3.8
Gas Heat Content	BBtu	423	0	423	369	0.000	0	0	10.0	4.6	3.8
Condensate	Mbbl	1	0	1	1	1.000	1	1	10.0	4.8	4.3
Butane	Mbbl	1	0	1	1	1.000	1	1	10.0	4.8	4.3
Propane	Mbbl	1	0	1	0	1.000	1	0	10.0	4.8	4.3
Total: NGL	Mbbl	3	0	3	2	1.000	3	2	10.0	4.8	4.3
Total: Oil+NGL	Mbbl	68	0	68	57	1.000	68	49	10.0	29.7	3.9
Total: Oil Eq.	Mboe	138	0	138	118	1.000	138	100	10.0	60.5	3.8

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 M\$	% of Total	10% Disc M\$
Tight Oil	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	3,716	76	2,396
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,069	22	705
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64	1	40
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	1	25
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	0	11
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121	2	76
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	3,838	78	2,473
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	4,907	100	3,177

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax					
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average	M\$					\$/boe	
Crown Royalty	2.7396	9.0640	0	2,440	2,288	830	1,457	10.54
Non-crown Royalty	5.0000	6.6252	5	2,050	1,981	783	1,197	8.66
Mineral Tax	0.0000	0.0000	8	1,864	1,820	757	1,062	7.68
			10	1,755	1,722	741	981	7.09
			12	1,656	1,632	725	907	6.55
			15	1,525	1,510	703	806	5.83
			20	1,343	1,336	669	667	4.82

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:39

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Proved**
 Development Class: **Undeveloped**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Tight Oil Production					Shale Gas Production				Condensate Production			
	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	2	170	62	54	60.02	306	112	97	2.07	2	1	1	74.12
2021	3	205	75	66	64.14	500	182	160	2.44	3	1	1	78.34
2022	3	119	43	33	65.56	321	117	102	2.66	2	1	0	80.19
2023	3	85	31	23	67.30	229	84	72	2.91	1	0	0	82.39
2024	3	66	24	18	69.50	179	65	56	2.99	1	0	0	84.78
2025	3	54	20	15	72.20	146	53	47	3.10	1	0	0	87.70
2026	3	46	17	13	75.39	124	45	40	3.17	1	0	0	91.12
2027	3	40	15	12	76.99	108	39	34	3.24	1	0	0	92.95
2028	3	35	13	10	78.63	95	35	30	3.30	1	0	0	94.82
2029	5	48	18	15	80.20	135	49	43	3.37	1	0	0	96.72
2030	5	44	16	13	81.81	121	44	39	3.43	1	0	0	98.66
2031	5	39	14	12	83.44	109	40	35	3.50	1	0	0	100.63
2032	5	36	13	11	85.11	99	36	32	3.57	1	0	0	102.64
2033	5	32	12	10	86.82	89	32	28	3.64	0	0	0	104.69
2034	4	27	10	8	88.55	74	27	24	3.72	0	0	0	106.79
2035	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			382	313	70.36		962	838	2.89		5	4	86.58

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	2	1	1	32.56	1	0	0	27.29	4	2	1	47.33
2021	3	1	1	42.65	2	1	1	31.48	7	3	2	53.80
2022	2	1	0	51.73	1	0	0	33.81	5	2	1	58.54
2023	1	0	0	53.06	1	0	0	36.36	3	1	1	60.49
2024	1	0	0	54.72	1	0	0	37.51	3	1	1	62.31
2025	1	0	0	56.73	0	0	0	38.91	2	1	1	64.53
2026	1	0	0	59.09	0	0	0	40.57	2	1	0	67.13
2027	1	0	0	60.34	0	0	0	41.43	2	1	0	68.52
2028	1	0	0	61.62	0	0	0	42.30	1	1	0	69.93
2029	1	0	0	62.85	0	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
2031	1	0	0	65.39	0	0	0	44.89	2	1	0	74.21
2032	1	0	0	66.69	0	0	0	45.79	1	1	0	75.70
2033	0	0	0	68.03	0	0	0	46.71	1	0	0	77.21
2034	0	0	0	69.39	0	0	0	47.64	1	0	0	78.75
2035	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		5	4	52.74		3	2	36.98		14	11	62.12

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	0	0	0	0.00	0	0	0	0.00
2020	175	64	55	59.70	226	82	71	49.00
2021	212	77	68	63.79	295	108	94	49.92
2022	123	45	35	65.30	177	65	52	50.40
2023	88	32	24	67.04	126	46	36	52.06
2024	69	25	19	69.23	99	36	28	53.74
2025	56	21	16	71.91	81	29	23	55.80
2026	48	17	14	75.08	68	25	20	58.13
2027	41	15	12	76.68	59	22	18	59.38
2028	37	13	11	78.30	53	19	16	60.62
2029	50	18	15	79.86	73	27	22	61.45
2030	45	17	14	81.46	66	24	20	62.68
2031	41	15	12	83.09	59	22	18	63.94
2032	37	13	11	84.75	53	19	17	65.24
2033	33	12	10	86.44	48	18	15	66.56
2034	28	10	9	88.17	40	15	13	67.88
2035	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00
Tot.		395	324	70.07		556	464	54.86

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$	Fixed M\$	Variable M\$	Total M\$
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$					
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	3,728	231	76	4,036	0	4,036	202	330	6	10	516	3,520	103	399	502
2021	4,788	446	142	5,376	0	5,376	269	389	11	14	632	4,744	210	539	749
2022	2,844	312	99	3,255	0	3,255	489	240	12	9	708	2,547	214	331	545
2023	2,083	243	73	2,399	0	2,399	378	178	9	7	540	1,860	218	241	459
2024	1,680	195	59	1,935	0	1,935	327	144	8	6	458	1,477	223	192	415
2025	1,427	165	50	1,642	0	1,642	251	123	6	5	363	1,278	227	160	387
2026	1,263	143	44	1,450	0	1,450	195	108	4	4	295	1,155	232	139	370
2027	1,119	127	39	1,285	0	1,285	154	96	4	4	243	1,042	236	123	359
2028	1,013	115	35	1,162	0	1,162	128	87	3	3	209	954	241	111	352
2029	1,418	166	51	1,634	0	1,634	156	121	5	5	268	1,367	686	157	843
2030	1,301	152	47	1,500	0	1,500	135	111	4	4	238	1,262	700	144	844
2031	1,196	140	43	1,378	0	1,378	119	102	4	4	213	1,165	714	132	846
2032	1,103	129	39	1,272	0	1,272	105	94	3	4	193	1,079	728	122	850
2033	1,013	118	36	1,168	0	1,168	94	86	3	3	174	994	743	112	855
2034	864	101	31	996	0	996	80	73	3	3	148	848	690	96	785
2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	26,842	2,783	863	30,488	0	30,488	3,082	2,284	84	84	5,199	25,289	6,163	2,999	9,162
Disc	15,762	1,554	485	17,801	0	17,801	1,737	1,340	48	48	2,982	14,820	2,368	1,762	4,130

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	3,017	0	0	3,017	3,374	0	536	3,909	-892	-892	-773
2021	0	0	0	3,995	0	0	3,995	1,147	0	182	1,329	2,666	1,774	1,327
2022	0	0	0	2,001	0	0	2,001	0	0	0	0	2,001	3,775	2,761
2023	0	0	0	1,400	0	0	1,400	0	0	0	0	1,400	5,175	3,673
2024	0	0	0	1,062	0	0	1,062	0	0	0	0	1,062	6,237	4,302
2025	0	0	0	891	0	0	891	0	0	0	0	891	7,129	4,781
2026	0	0	0	785	0	0	785	0	0	0	0	785	7,913	5,165
2027	0	0	0	683	0	0	683	0	0	0	0	683	8,596	5,469
2028	0	0	0	602	0	0	602	0	0	0	0	602	9,198	5,713
2029	0	0	0	523	0	0	523	0	0	0	0	523	9,722	5,905
2030	0	0	0	418	0	0	418	0	0	0	0	418	10,139	6,045
2031	0	0	0	319	0	0	319	0	0	0	0	319	10,458	6,141
2032	0	0	0	229	0	0	229	0	0	0	0	229	10,687	6,205
2033	0	0	0	139	0	-222	361	0	0	0	0	361	11,048	6,295
2034	0	0	0	62	0	0	62	0	0	0	0	62	11,110	6,309
2035	0	0	0	0	0	0	0	0	0	0	0	0	11,110	6,309
2036	0	0	0	0	0	0	0	0	0	0	0	0	11,110	6,309
2037	0	0	0	0	0	0	0	0	0	0	0	0	11,110	6,309
2038	0	0	0	0	0	82	-82	0	0	0	0	-82	11,029	6,297
2039	0	0	0	0	0	499	-499	0	0	0	0	-499	10,529	6,226
Tot.	0	0	0	16,127	0	359	15,768	4,521	0	718	5,238	10,529	10,529	6,226
Disc	0	0	0	10,690	0	28	10,662	3,828	0	608	4,436	6,226	6,226	6,226

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	382	0	382	313	1.000	382	69	16.0	6.1	4.3
Shale Gas	MMcf	962	0	962	838	6.000	160	29	16.0	8.6	4.8
Gas Heat Content	BBtu	962	0	962	838	0.000	0	0	16.0	8.6	4.8
Condensate	Mbbl	5	0	5	4	1.000	5	1	16.0	8.6	4.8
Butane	Mbbl	5	0	5	4	1.000	5	1	16.0	8.6	4.8
Propane	Mbbl	3	0	3	2	1.000	3	1	16.0	8.6	4.8
Total: NGL	Mbbl	14	0	14	11	1.000	14	2	16.0	8.6	4.8
Total: Oil+NGL	Mbbl	395	0	395	324	1.000	395	71	16.0	6.2	4.4
Total: Oil Eq.	Mboe	556	0	556	464	1.000	556	100	16.0	6.7	4.5

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,004	87	12,979	88
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,557	10	1,428	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	390	2	224	2
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239	1	133	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98	0	56	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	728	3	412	3
Total: Oil+NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,732	90	13,391	90
Total: Oil Eq.	\$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,289	100	14,820	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Net Present Value Before Income Tax									
Revenue Burdens (%)				Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average							M\$	\$/boe
Crown Royalty	0.0000	10.1098	0		16,127	15,768	5,238	10,529	18.95
Non-crown Royalty	0.0000	7.4928	5		12,928	12,823	4,810	8,013	14.42
Mineral Tax	0.0000	0.0000	8		11,497	11,449	4,579	6,869	12.36
			10		10,690	10,662	4,436	6,226	11.20
			12		9,976	9,961	4,299	5,662	10.19
			15		9,052	9,047	4,107	4,940	8.89
			20		7,809	7,811	3,816	3,994	7.19

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:39

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Proved**
 Development Class: **Total Non-Producing**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	1	6	2	2	48.33	0	0	0	0.00	0	0	0	0.00
2020	4	209	76	66	60.02	559	204	178	2.07	2	1	1	74.12
2021	4	232	85	73	64.14	703	257	225	2.44	3	1	1	78.34
2022	4	138	50	39	65.56	478	175	152	2.66	2	1	1	80.19
2023	4	99	36	28	67.30	358	131	113	2.91	1	1	0	82.39
2024	4	78	29	22	69.50	288	105	91	2.99	1	0	0	84.78
2025	4	64	23	18	72.20	240	88	77	3.10	1	0	0	87.70
2026	4	55	20	16	75.39	206	75	66	3.17	1	0	0	91.12
2027	6	63	23	19	76.99	181	66	58	3.24	1	0	0	92.95
2028	5	54	20	16	78.63	151	55	48	3.30	1	0	0	94.82
2029	5	48	18	15	80.20	135	49	43	3.37	1	0	0	96.72
2030	5	44	16	13	81.81	121	44	39	3.43	1	0	0	98.66
2031	5	39	14	12	83.44	109	40	35	3.50	1	0	0	100.63
2032	5	36	13	11	85.11	99	36	32	3.57	1	0	0	102.64
2033	5	32	12	10	86.82	89	32	28	3.64	0	0	0	104.69
2034	4	27	10	8	88.55	74	27	24	3.72	0	0	0	106.79
2035	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			447	368	69.96		1,384	1,208	2.83		6	5	86.14

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	2	1	1	32.56	1	0	0	27.29	6	2	2	47.33
2021	3	1	1	42.65	2	1	1	31.48	8	3	3	53.80
2022	2	1	1	51.73	1	0	0	33.81	5	2	1	58.54
2023	1	1	0	53.06	1	0	0	36.36	4	1	1	60.49
2024	1	0	0	54.72	1	0	0	37.51	3	1	1	62.31
2025	1	0	0	56.73	1	0	0	38.91	2	1	1	64.53
2026	1	0	0	59.09	0	0	0	40.57	2	1	1	67.13
2027	1	0	0	60.34	1	0	0	41.43	3	1	1	68.52
2028	1	0	0	61.61	1	0	0	42.30	2	1	1	69.93
2029	1	0	0	62.85	0	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
2031	1	0	0	65.39	0	0	0	44.89	2	1	0	74.21
2032	1	0	0	66.69	0	0	0	45.79	1	1	0	75.70
2033	0	0	0	68.03	0	0	0	46.71	1	0	0	77.21
2034	0	0	0	69.39	0	0	0	47.64	1	0	0	78.75
2035	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		6	5	52.28		4	3	36.73		16	13	61.72

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	6	2	2	48.33	6	2	2	48.33
2020	215	78	68	59.68	308	112	97	45.37
2021	240	88	76	63.78	358	130	113	47.69
2022	143	52	40	65.30	223	81	66	47.67
2023	103	38	29	67.04	163	59	48	48.88
2024	81	30	23	69.23	129	47	38	50.17
2025	67	24	19	71.91	107	39	32	51.89
2026	57	21	16	75.08	91	33	27	53.90
2027	66	24	20	76.66	96	35	29	58.74
2028	56	21	17	78.29	82	30	25	60.24
2029	50	18	15	79.86	73	27	22	61.45
2030	45	17	14	81.46	66	24	20	62.68
2031	41	15	12	83.09	59	22	18	63.94
2032	37	13	11	84.75	53	19	17	65.24
2033	33	12	10	86.44	48	18	15	66.56
2034	28	10	9	88.17	40	15	13	67.88
2035	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00
Tot.		463	381	69.67		694	582	52.16

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$	Fixed M\$	Variable M\$	Total M\$
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$					
2019	111	0	0	111	0	111	3	6	0	0	9	102	34	10	44
2020	4,577	423	101	5,101	0	5,101	288	396	17	17	651	4,450	185	558	743
2021	5,432	627	164	6,223	0	6,223	393	444	21	20	795	5,428	315	663	978
2022	3,299	465	115	3,879	0	3,879	558	281	20	14	804	3,075	321	426	746
2023	2,442	380	86	2,907	0	2,907	419	211	16	11	604	2,304	327	318	646
2024	1,982	315	69	2,366	0	2,366	356	172	14	9	506	1,860	334	258	592
2025	1,690	272	59	2,020	0	2,020	274	147	11	8	403	1,618	341	217	558
2026	1,500	239	52	1,791	0	1,791	215	131	9	7	330	1,461	347	189	537
2027	1,781	213	65	2,060	0	2,060	222	154	6	6	363	1,697	718	199	918
2028	1,557	182	56	1,795	0	1,795	183	133	5	5	306	1,489	673	172	845
2029	1,418	166	51	1,634	0	1,634	156	121	5	5	268	1,367	686	157	843
2030	1,301	152	47	1,500	0	1,500	135	111	4	4	238	1,262	700	144	844
2031	1,196	140	43	1,378	0	1,378	119	102	4	4	213	1,165	714	132	846
2032	1,103	129	39	1,272	0	1,272	105	94	3	4	193	1,079	728	122	850
2033	1,013	118	36	1,168	0	1,168	94	86	3	3	174	994	743	112	855
2034	864	101	31	996	0	996	80	73	3	3	148	848	690	96	785
2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	31,266	3,921	1,012	36,200	0	36,200	3,600	2,663	140	119	6,003	30,196	7,854	3,775	11,629
Disc	18,621	2,302	578	21,501	0	21,501	2,080	1,582	86	72	3,504	17,997	3,274	2,279	5,553

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	58	0	0	58	245	0	0	245	-187	-187	-178
2020	0	0	0	3,707	0	0	3,707	3,959	0	536	4,495	-787	-974	-861
2021	0	0	0	4,450	0	0	4,450	1,147	0	182	1,329	3,120	2,146	1,598
2022	0	0	0	2,329	0	0	2,329	0	0	0	0	2,329	4,475	3,266
2023	0	0	0	1,658	0	0	1,658	0	0	0	0	1,658	6,133	4,346
2024	0	0	0	1,268	0	0	1,268	0	0	0	0	1,268	7,401	5,097
2025	0	0	0	1,060	0	0	1,060	0	0	0	0	1,060	8,461	5,667
2026	0	0	0	924	0	0	924	0	0	0	0	924	9,385	6,119
2027	0	0	0	779	0	0	779	0	0	0	0	779	10,164	6,466
2028	0	0	0	644	0	0	644	0	0	0	0	644	10,808	6,726
2029	0	0	0	523	0	0	523	0	0	0	0	523	11,331	6,919
2030	0	0	0	418	0	0	418	0	0	0	0	418	11,749	7,058
2031	0	0	0	319	0	-142	461	0	0	0	0	461	12,210	7,198
2032	0	0	0	229	0	72	156	0	0	0	0	156	12,366	7,241
2033	0	0	0	139	0	0	139	0	0	0	0	139	12,505	7,276
2034	0	0	0	62	0	0	62	0	0	0	0	62	12,568	7,291
2035	0	0	0	0	0	0	0	0	0	0	0	0	12,568	7,291
2036	0	0	0	0	0	0	0	0	0	0	0	0	12,568	7,291
2037	0	0	0	0	0	0	0	0	0	0	0	0	12,568	7,291
2038	0	0	0	0	0	82	-82	0	0	0	0	-82	12,486	7,278
2039	0	0	0	0	0	499	-499	0	0	0	0	-499	11,987	7,207
Tot.	0	0	0	18,567	0	511	18,056	5,351	0	718	6,069	11,987	11,987	7,207
Disc	0	0	0	12,444	0	60	12,384	4,569	0	608	5,177	7,207	7,207	7,207

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)			
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life	
Tight Oil	Mbbl	447	0	447	368	1.000	447	64	16.0	195.3	4.3	
Shale Gas	MMcf	1,384	0	1,384	1,208	6.000	231	33	16.0	6.8	4.4	
Gas Heat Content	BBtu	1,384	0	1,384	1,208	0.000	0	0	16.0	6.8	4.4	
Condensate	Mbbl	6	0	6	5	1.000	6	1	16.0	7.7	4.8	
Butane	Mbbl	6	0	6	5	1.000	6	1	16.0	7.7	4.8	
Propane	Mbbl	4	0	4	3	1.000	4	1	16.0	7.7	4.8	
Total: NGL	Mbbl	16	0	16	13	1.000	16	2	16.0	7.7	4.8	
Total: Oil+NGL	Mbbl	463	0	463	381	1.000	463	67	16.0	202.5	4.3	
Total: Oil Eq.	Mboe	694	0	694	582	1.000	694	100	16.0	303.4	4.3	

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	25,720	85	15,376	85
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,627	12	2,133	12
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	454	2	264	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	280	1	157	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116	0	67	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	849	3	488	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	26,569	88	15,864	88
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	30,196	100	17,997	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

				Net Present Value Before Income Tax				
Revenue Burdens (%)			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average	M\$					\$/boe	
Crown Royalty	2.7396	9.9447	0	18,567	18,056	6,069	11,987	17.27
Non-crown Royalty	5.0000	7.3559	5	14,979	14,803	5,593	9,210	13.27
Mineral Tax	0.0000	0.0000	8	13,361	13,268	5,337	7,932	11.43
			10	12,444	12,384	5,177	7,207	10.38
			12	11,632	11,593	5,025	6,569	9.46
			15	10,577	10,557	4,810	5,747	8.28
			20	9,152	9,146	4,485	4,661	6.72

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:39

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class:
 Development Class:
 Pricing:
 Effective Date:

Proved
Total
GLJ (2019-01)
December 31, 2018

Economic Forecast

PRODUCTION FORECAST

Year	Tight Oil Production					Shale Gas Production				Condensate Production			
	Company Oil Wells	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	2	68	25	17	48.33	0	0	0	0.00	0	0	0	0.00
2020	5	257	94	78	60.02	559	204	178	2.07	3	1	1	74.12
2021	6	271	99	83	64.14	703	257	225	2.44	4	1	1	78.34
2022	6	170	62	47	65.56	478	175	152	2.66	3	1	1	80.19
2023	6	127	46	35	67.30	358	131	113	2.91	2	1	0	82.39
2024	6	102	37	28	69.50	288	105	91	2.99	2	1	0	84.78
2025	6	85	31	24	72.20	240	88	77	3.10	1	0	0	87.70
2026	6	73	26	21	75.39	206	75	66	3.17	1	0	0	91.12
2027	6	63	23	19	76.99	181	66	58	3.24	1	0	0	92.95
2028	5	54	20	16	78.63	151	55	48	3.30	1	0	0	94.82
2029	5	48	18	15	80.20	135	49	43	3.37	1	0	0	96.72
2030	5	44	16	13	81.81	121	44	39	3.43	1	0	0	98.66
2031	5	39	14	12	83.44	109	40	35	3.50	1	0	0	100.63
2032	5	36	13	11	85.11	99	36	32	3.57	1	0	0	102.64
2033	5	32	12	10	86.82	89	32	28	3.64	0	0	0	104.69
2034	4	27	10	8	88.55	74	27	24	3.72	0	0	0	106.79
2035	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			546	438	68.55		1,384	1,208	2.83		8	6	85.22

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	3	1	1	32.56	2	1	1	27.29	8	3	2	47.33
2021	4	1	1	42.65	2	1	1	31.48	10	4	3	53.80
2022	3	1	1	51.73	2	1	0	33.81	7	3	2	58.54
2023	2	1	1	53.06	1	0	0	36.36	5	2	1	60.49
2024	2	1	0	54.72	1	0	0	37.51	4	2	1	62.31
2025	1	0	0	56.73	1	0	0	38.91	3	1	1	64.53
2026	1	0	0	59.09	1	0	0	40.57	3	1	1	67.13
2027	1	0	0	60.34	1	0	0	41.43	3	1	1	68.52
2028	1	0	0	61.61	1	0	0	42.30	2	1	1	69.93
2029	1	0	0	62.85	0	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
2031	1	0	0	65.39	0	0	0	44.89	2	1	0	74.21
2032	1	0	0	66.69	0	0	0	45.79	1	1	0	75.70
2033	0	0	0	68.03	0	0	0	46.71	1	0	0	77.21
2034	0	0	0	69.39	0	0	0	47.64	1	0	0	78.75
2035	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		8	6	51.40		5	3	36.19		20	15	60.90

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	68	25	17	48.33	68	25	17	48.33
2020	265	97	80	59.64	359	131	110	47.36
2021	281	103	86	63.77	398	145	123	49.33
2022	177	65	49	65.29	257	94	74	49.99
2023	132	48	37	67.03	192	70	56	51.60
2024	106	39	29	69.22	154	56	44	53.22
2025	88	32	25	71.90	128	47	38	55.24
2026	76	28	22	75.06	110	40	33	57.53
2027	66	24	20	76.66	96	35	29	58.74
2028	56	21	17	78.29	82	30	25	60.24
2029	50	18	15	79.86	73	27	22	61.45
2030	45	17	14	81.46	66	24	20	62.68
2031	41	15	12	83.09	59	22	18	63.94
2032	37	13	11	84.75	53	19	17	65.24
2033	33	12	10	86.44	48	18	15	66.56
2034	28	10	9	88.17	40	15	13	67.88
2035	0	0	0	0.00	0	0	0	0.00
2036	0	0	0	0.00	0	0	0	0.00
2037	0	0	0	0.00	0	0	0	0.00
2038	0	0	0	0.00	0	0	0	0.00
2039	0	0	0	0.00	0	0	0	0.00
Tot.		566	453	68.28		796	654	53.42

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total	Net	Operating Expenses		
	Working Interest				Royalty	Company	Pre-Processing				Royalty	Revenue			
	Oil	Gas	NGL+Sul	Total	Interest	Interest	Crown	Other	Crown	Other	After	After	Fixed	Variable	Total
	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	Process.	Royalty	M\$	M\$	M\$
2019	1,193	0	0	1,193	0	1,193	257	92	0	0	349	844	450	111	561
2020	5,635	423	140	6,197	0	6,197	573	484	17	17	1,023	5,175	609	639	1,248
2021	6,346	627	199	7,172	0	7,172	621	520	21	20	1,100	6,072	747	730	1,477
2022	4,075	465	148	4,688	0	4,688	731	345	20	14	1,042	3,646	762	482	1,244
2023	3,116	380	114	3,611	0	3,611	556	268	16	11	797	2,813	664	367	1,031
2024	2,582	315	95	2,991	0	2,991	470	222	14	9	670	2,321	677	301	978
2025	2,230	272	82	2,584	0	2,584	367	192	11	8	541	2,043	691	255	946
2026	1,996	239	73	2,308	0	2,308	294	172	9	7	450	1,857	704	223	928
2027	1,781	213	65	2,060	0	2,060	222	154	6	6	363	1,697	718	199	918
2028	1,557	182	56	1,795	0	1,795	183	133	5	5	306	1,489	673	172	845
2029	1,418	166	51	1,634	0	1,634	156	121	5	5	268	1,367	686	157	843
2030	1,301	152	47	1,500	0	1,500	135	111	4	4	238	1,262	700	144	844
2031	1,196	140	43	1,378	0	1,378	119	102	4	4	213	1,165	714	132	846
2032	1,103	129	39	1,272	0	1,272	105	94	3	4	193	1,079	728	122	850
2033	1,013	118	36	1,168	0	1,168	94	86	3	3	174	994	743	112	855
2034	864	101	31	996	0	996	80	73	3	3	148	848	690	96	785
2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	37,407	3,921	1,218	42,546	0	42,546	4,964	3,171	140	119	7,875	34,671	10,955	4,244	15,198
Disc	23,174	2,302	720	26,195	0	26,195	3,119	1,957	86	72	4,918	21,277	5,480	2,632	8,112

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	283	0	0	283	273	0	0	273	10	10	10
2020	0	0	0	3,927	0	0	3,927	3,959	0	536	4,495	-568	-558	-482
2021	0	0	0	4,595	0	0	4,595	1,147	0	182	1,329	3,266	2,708	2,091
2022	0	0	0	2,402	0	0	2,402	0	0	0	0	2,402	5,110	3,812
2023	0	0	0	1,783	0	0	1,783	227	0	0	227	1,555	6,665	4,824
2024	0	0	0	1,344	0	0	1,344	0	0	0	0	1,344	8,009	5,620
2025	0	0	0	1,097	0	0	1,097	0	0	0	0	1,097	9,106	6,210
2026	0	0	0	929	0	0	929	0	0	0	0	929	10,035	6,665
2027	0	0	0	779	0	0	779	0	0	0	0	779	10,814	7,011
2028	0	0	0	644	0	0	644	0	0	0	0	644	11,458	7,272
2029	0	0	0	523	0	0	523	0	0	0	0	523	11,981	7,464
2030	0	0	0	418	0	0	418	0	0	0	0	418	12,399	7,604
2031	0	0	0	319	0	0	319	0	0	0	0	319	12,718	7,701
2032	0	0	0	229	0	72	156	0	0	0	0	156	12,874	7,744
2033	0	0	0	139	0	0	139	0	0	0	0	139	13,013	7,779
2034	0	0	0	62	0	0	62	0	0	0	0	62	13,076	7,793
2035	0	0	0	0	0	0	0	0	0	0	0	0	13,076	7,793
2036	0	0	0	0	0	0	0	0	0	0	0	0	13,076	7,793
2037	0	0	0	0	0	0	0	0	0	0	0	0	13,076	7,793
2038	0	0	0	0	0	82	-82	0	0	0	0	-82	12,994	7,780
2039	0	0	0	0	0	499	-499	0	0	0	0	-499	12,495	7,709
Tot.	0	0	0	19,472	0	653	18,819	5,606	0	718	6,324	12,495	12,495	7,709
Disc	0	0	0	13,165	0	103	13,061	4,744	0	608	5,352	7,709	7,709	7,709

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)			
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life	
Tight Oil	Mbbl	546	0	546	438	1.000	546	69	16.0	22.1	3.9	
Shale Gas	MMcf	1,384	0	1,384	1,208	6.000	231	29	16.0	6.8	4.4	
Gas Heat Content	BBtu	1,384	0	1,384	1,208	0.000	0	0	16.0	6.8	4.4	
Condensate	Mbbl	8	0	8	6	1.000	8	1	16.0	6.8	4.4	
Butane	Mbbl	8	0	8	6	1.000	8	1	16.0	6.8	4.4	
Propane	Mbbl	5	0	5	3	1.000	5	1	16.0	6.8	4.4	
Total: NGL	Mbbl	20	0	20	15	1.000	20	3	16.0	6.8	4.4	
Total: Oil+NGL	Mbbl	566	0	566	453	1.000	566	71	16.0	22.9	3.9	
Total: Oil Eq.	Mboe	796	0	796	654	1.000	796	100	16.0	32.3	4.1	

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	30,078	87	18,575	87
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,627	10	2,133	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	512	1	305	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320	1	185	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134	0	79	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	966	3	569	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	31,044	90	19,144	90
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	34,671	100	21,277	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Net Present Value Before Income Tax									
Revenue Burdens (%)				Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average							M\$	\$/boe
Crown Royalty	21.5106	11.6677	0		19,472	18,819	6,324	12,495	15.69
Non-crown Royalty	7.7219	7.4520	5		15,781	15,528	5,803	9,726	12.21
Mineral Tax	0.0000	0.0000	8		14,112	13,965	5,525	8,441	10.60
			10		13,165	13,061	5,352	7,709	9.68
			12		12,324	12,251	5,188	7,063	8.87
			15		11,230	11,186	4,958	6,228	7.82
			20		9,751	9,730	4,611	5,119	6.43

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:39

PROBABLE AND PROVED PLUS PROBABLE RESERVES

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Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

	Total Probable	Total Proved Plus Probable
MARKETABLE RESERVES		
<u>Tight Oil (Mbbl)</u>		
Total Company Interest	548	1,094
Working Interest	548	1,094
Net After Royalty	447	885
<u>Shale Gas (MMcf)</u>		
Total Company Interest	1,463	2,847
Working Interest	1,463	2,847
Net After Royalty	1,280	2,487
<u>Natural Gas Liquids (Mbbl)</u>		
Total Company Interest	21	41
Working Interest	21	41
Net After Royalty	17	32
<u>Oil Equivalent (Mboe)</u>		
Total Company Interest	813	1,609
Working Interest	813	1,609
Net After Royalty	677	1,331
BEFORE TAX PRESENT VALUE (M\$)		
0%	16,491	28,986
5%	10,830	20,555
8%	8,565	17,005
10%	7,378	15,088
12%	6,392	13,455
15%	5,204	11,432
20%	3,777	8,897
FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$)		
2019	5	16
2020	280	-288
2021	-3,575	-309
2022	4,354	6,755
2023	2,429	3,984
2024	1,803	3,146

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: June 26, 2019 15:25:40

1192143 Class (F.I), GLJ (2019-01), psum

June 26, 2019 15:34:58

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **Summary**

Reserve Class:
Development Class:
Pricing:
Effective Date:

**Various
Classifications
GLJ (2019-01)
December 31, 2018**

Company Production, Reserves and Present Value Summary

Entity Description	2019 Company Interest Prod'n				Company Interest Reserves					Net After Royalty Reserves					Reserve Life Index yrs	Before Income Tax Discounted Present Value (M\$)				
	Gas Mcf/d	Oil bbl/d	NGL bbl/d	Oil Eq. boe/d	Gas MMcf	Oil Mbbbl	NGL Mbbbl	Sulphur Mlt	Oil Eq. Mboe	Gas MMcf	Oil Mbbbl	NGL Mbbbl	Sulphur Mlt	Oil Eq. Mboe		0%	5%	8%	10%	12%
Total Probable																				
Girouxville	0	1	0	1	1,463	548	21	0	813	1,280	447	17	0	677	999.9	16,491	10,830	8,565	7,378	6,392
Total: Total Probable	0	1	0	1	1,463	548	21	0	813	1,280	447	17	0	677		16,491	10,830	8,565	7,378	6,392
Total Proved Plus Probable																				
Girouxville	0	68	0	68	2,847	1,094	41	0	1,609	2,487	885	32	0	1,331	64.5	28,986	20,555	17,005	15,088	13,455
Total: Total Proved Plus Probable	0	68	0	68	2,847	1,094	41	0	1,609	2,487	885	32	0	1,331		28,986	20,555	17,005	15,088	13,455

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: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Probable**
 Development Class: **Total**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	1	0	0	48.33	0	0	0	0.00	0	0	0	0.00
2020	0	16	6	5	60.02	37	13	12	2.07	0	0	0	74.12
2021	4	161	59	50	64.14	314	114	100	2.44	2	1	1	78.34
2022	4	226	82	69	65.56	616	225	197	2.66	3	1	1	80.19
2023	4	134	49	39	67.30	366	134	117	2.91	2	1	1	82.39
2024	4	101	37	29	69.50	279	102	89	2.99	2	1	0	84.78
2025	4	84	31	24	72.20	230	84	73	3.10	1	0	0	87.70
2026	4	72	26	20	75.39	200	73	63	3.17	1	0	0	91.12
2027	4	64	23	18	76.99	178	65	57	3.24	1	0	0	92.95
2028	4	60	22	18	78.63	171	62	55	3.30	1	0	0	94.82
2029	4	55	20	16	80.20	157	57	50	3.37	1	0	0	96.72
2030	4	51	19	15	81.81	145	53	47	3.43	1	0	0	98.66
2031	4	48	18	14	83.44	136	50	44	3.50	1	0	0	100.63
2032	4	45	16	13	85.11	128	47	41	3.57	1	0	0	102.64
2033	4	42	15	13	86.82	119	43	38	3.64	1	0	0	104.69
2034	4	39	14	12	88.55	107	39	34	3.72	1	0	0	106.79
2035	8	61	22	18	90.32	167	61	53	3.79	1	0	0	108.92
2036	8	56	21	17	92.13	154	56	49	3.87	1	0	0	111.10
2037	8	52	19	16	93.97	142	52	45	3.94	1	0	0	113.32
2038	8	48	17	14	95.85	131	48	42	4.02	1	0	0	115.59
2039	8	44	16	13	97.77	120	44	39	4.10	1	0	0	117.90
2040	8	41	15	12	99.72	111	41	36	4.18	1	0	0	120.26
2041	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			548	447	76.88		1,463	1,280	3.23		8	6	93.80

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	0	0	0	32.56	0	0	0	27.29	1	0	0	47.33
2021	2	1	1	42.65	1	0	0	31.48	5	2	1	53.80
2022	3	1	1	51.73	2	1	1	33.81	9	3	3	58.54
2023	2	1	1	53.06	1	0	0	36.36	5	2	2	60.49
2024	2	1	0	54.72	1	0	0	37.51	4	1	1	62.31
2025	1	0	0	56.73	1	0	0	38.91	3	1	1	64.53
2026	1	0	0	59.09	1	0	0	40.57	3	1	1	67.13
2027	1	0	0	60.34	1	0	0	41.43	3	1	1	68.52
2028	1	0	0	61.61	1	0	0	42.30	2	1	1	69.93
2029	1	0	0	62.85	1	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
2031	1	0	0	65.39	0	0	0	44.89	2	1	1	74.21
2032	1	0	0	66.69	0	0	0	45.79	2	1	1	75.70
2033	1	0	0	68.03	0	0	0	46.71	2	1	0	77.21
2034	1	0	0	69.39	0	0	0	47.64	2	1	0	78.75
2035	1	0	0	70.78	1	0	0	48.59	2	1	1	80.33
2036	1	0	0	72.19	1	0	0	49.56	2	1	1	81.94
2037	1	0	0	73.64	0	0	0	50.56	2	1	1	83.57
2038	1	0	0	75.11	0	0	0	51.57	2	1	1	85.25
2039	1	0	0	76.61	0	0	0	52.60	2	1	1	86.95
2040	1	0	0	78.14	0	0	0	53.65	2	1	0	88.69
2041	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		8	7	60.01		5	4	41.14		21	17	68.66

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	1	0	0	48.33	1	0	0	48.33
2020	16	6	5	59.61	22	8	7	46.77
2021	166	60	52	63.86	218	80	68	52.06
2022	235	86	72	65.30	337	123	105	50.30
2023	139	51	41	67.04	200	73	60	51.91
2024	105	38	30	69.23	152	55	45	53.55
2025	87	32	25	71.91	125	46	37	55.58
2026	75	27	21	75.07	108	40	31	57.88
2027	67	24	19	76.67	97	35	29	59.10
2028	63	23	18	78.29	91	33	27	60.06
2029	58	21	17	79.86	84	31	25	61.25
2030	53	20	16	81.45	78	28	24	62.47
2031	50	18	15	83.08	73	27	22	63.72
2032	47	17	14	84.74	68	25	21	65.00
2033	44	16	13	86.44	64	23	19	66.30
2034	41	15	12	88.18	59	21	18	68.13
2035	63	23	19	89.94	91	33	28	69.39
2036	58	21	18	91.74	84	31	26	70.79
2037	54	20	16	93.58	77	28	24	72.22
2038	50	18	15	95.45	71	26	22	73.68
2039	46	17	14	97.36	66	24	20	75.16
2040	42	15	13	99.30	61	22	19	76.68
2041	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0.00	0	0	0	0.00
Tot.		569	464	76.57		813	677	59.42

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing		Total	Net	Operating Expenses		
	Working Interest				Royalty	Company	Pre-Processing		Allowance		Royalty	Revenue			
	Oil	Gas	NGL+Sul	Total	Interest	Interest	Crown	Other	Crown	Other	After	After	Fixed	Variable	Total
	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	Process.	Royalty	M\$	M\$	M\$
2019	12	0	0	12	0	12	5	1	0	0	6	7	0	1	1
2020	347	28	9	384	0	384	35	32	1	1	64	320	0	40	40
2021	3,772	280	89	4,141	0	4,141	308	296	8	9	587	3,553	88	394	482
2022	5,406	599	190	6,195	0	6,195	532	443	17	18	942	5,253	267	632	900
2023	3,283	389	117	3,788	0	3,788	457	270	12	11	705	3,084	273	382	655
2024	2,573	305	92	2,969	0	2,969	398	212	10	8	592	2,377	278	296	574
2025	2,203	260	78	2,542	0	2,542	366	182	9	7	531	2,011	284	249	533
2026	1,990	231	71	2,292	0	2,292	359	164	9	6	508	1,783	289	220	510
2027	1,808	210	64	2,082	0	2,082	284	149	7	6	421	1,661	295	200	495
2028	1,736	206	63	2,005	0	2,005	249	145	6	6	383	1,623	361	193	555
2029	1,620	192	59	1,871	0	1,871	220	135	6	5	344	1,527	369	180	549
2030	1,534	182	56	1,772	0	1,772	200	128	5	5	318	1,454	376	171	547
2031	1,463	174	53	1,690	0	1,690	185	122	5	5	297	1,392	384	163	546
2032	1,401	166	51	1,618	0	1,618	172	117	5	5	280	1,337	391	156	547
2033	1,333	158	48	1,539	0	1,539	160	112	4	4	263	1,276	399	148	547
2034	1,269	145	44	1,459	0	1,459	149	106	4	4	247	1,213	407	139	546
2035	2,006	231	71	2,307	0	2,307	213	168	6	6	368	1,939	1,119	221	1,339
2036	1,891	218	67	2,175	0	2,175	199	158	6	6	346	1,829	1,141	208	1,349
2037	1,773	204	62	2,040	0	2,040	186	148	6	6	323	1,716	1,164	195	1,359
2038	1,668	192	59	1,919	0	1,919	176	139	5	5	305	1,614	1,187	184	1,371
2039	1,569	180	55	1,805	0	1,805	167	131	5	5	288	1,517	1,211	173	1,383
2040	1,481	170	52	1,703	0	1,703	159	123	5	5	273	1,430	1,235	163	1,398
2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	42,137	4,720	1,450	48,308	0	48,308	5,179	3,483	141	131	8,391	39,918	11,518	4,711	16,228
Disc	18,798	2,041	630	21,469	0	21,469	2,303	1,545	62	57	3,728	17,741	3,016	2,111	5,127

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	5	0	0	5	0	0	0	0	5	5	5
2020	0	0	0	280	0	0	280	0	0	0	0	280	285	247
2021	0	0	0	3,071	0	0	3,071	5,735	0	910	6,646	-3,575	-3,290	-2,569
2022	0	0	0	4,354	0	0	4,354	0	0	0	0	4,354	1,064	549
2023	0	0	0	2,429	0	0	2,429	0	0	0	0	2,429	3,493	2,131
2024	0	0	0	1,803	0	0	1,803	0	0	0	0	1,803	5,295	3,198
2025	0	0	0	1,478	0	0	1,478	0	0	0	0	1,478	6,773	3,994
2026	0	0	0	1,274	0	0	1,274	0	0	0	0	1,274	8,047	4,617
2027	0	0	0	1,166	0	0	1,166	0	0	0	0	1,166	9,213	5,135
2028	0	0	0	1,068	0	0	1,068	0	0	0	0	1,068	10,281	5,567
2029	0	0	0	978	0	0	978	0	0	0	0	978	11,259	5,927
2030	0	0	0	907	0	0	907	0	0	0	0	907	12,166	6,230
2031	0	0	0	846	0	0	846	0	0	0	0	846	13,012	6,487
2032	0	0	0	790	0	-72	863	0	0	0	0	863	13,875	6,725
2033	0	0	0	729	0	0	729	0	0	0	0	729	14,603	6,908
2034	0	0	0	666	0	0	666	0	0	0	0	666	15,270	7,060
2035	0	0	0	600	0	0	600	0	0	0	0	600	15,869	7,185
2036	0	0	0	480	0	0	480	0	0	0	0	480	16,350	7,275
2037	0	0	0	357	0	0	357	0	0	0	0	357	16,707	7,337
2038	0	0	0	243	0	0	243	0	0	0	0	243	16,950	7,375
2039	0	0	0	134	0	-499	633	0	0	0	0	633	17,584	7,464
2040	0	0	0	32	0	0	32	0	0	0	0	32	17,615	7,468
2041	0	0	0	0	0	0	0	0	0	0	0	0	17,615	7,468
2042	0	0	0	0	0	0	0	0	0	0	0	0	17,615	7,468
2043	0	0	0	0	0	0	0	0	0	0	0	0	17,615	7,468
2044	0	0	0	0	0	0	0	0	0	0	0	0	17,615	7,468
2045	0	0	0	0	0	1,125	-1,125	0	0	0	0	-1,125	16,491	7,378
Tot.	0	0	0	23,689	0	553	23,136	5,735	0	910	6,646	16,491	16,491	7,378
Disc	0	0	0	12,614	0	-1	12,615	4,519	0	717	5,237	7,378	7,378	7,378

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	548	0	548	447	1.000	548	67	22.0	999.9	7.4
Shale Gas	MMcf	1,463	0	1,463	1,280	6.000	244	30	22.0	109.2	7.8
Gas Heat Content	BBtu	1,463	0	1,463	1,280	0.000	0	0	22.0	109.2	7.8
Condensate	Mbbl	8	0	8	6	1.000	8	1	22.0	109.2	7.8
Butane	Mbbl	8	0	8	7	1.000	8	1	22.0	109.2	7.8
Propane	Mbbl	5	0	5	4	1.000	5	1	22.0	109.2	7.8
Total: NGL	Mbbl	21	0	21	17	1.000	21	3	22.0	109.2	7.8
Total: Oil+NGL	Mbbl	569	0	569	464	1.000	569	70	22.0	999.9	7.4
Total: Oil Eq.	Mboe	813	0	813	677	1.000	813	100	22.0	999.9	7.5

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	34,362	86	15,335	86
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,344	11	1,879	11
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	634	2	278	2
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	412	1	178	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165	0	72	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,211	3	528	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	35,573	89	15,862	89
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	39,918	100	17,741	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax					
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average	M\$					\$/boe	
Crown Royalty	39.4254	10.7215	0	23,689	23,136	6,646	16,491	20.28
Non-crown Royalty	8.0594	7.2097	5	16,800	16,712	5,882	10,830	13.32
Mineral Tax	0.0000	0.0000	8	14,065	14,047	5,482	8,565	10.53
			10	12,614	12,615	5,237	7,378	9.08
			12	11,389	11,398	5,006	6,392	7.86
			15	9,878	9,890	4,686	5,204	6.40
			20	7,981	7,990	4,213	3,777	4.65

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:40

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **Summary**

Reserve Class: **Proved Plus Probable**
 Development Class: **Total**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	2	68	25	18	48.33	0	0	0	0.00	0	0	0	0.00
2020	5	273	100	82	60.02	596	218	190	2.07	3	1	1	74.12
2021	9	432	158	133	64.14	1,017	371	325	2.44	6	2	2	78.34
2022	9	396	145	117	65.56	1,094	399	349	2.66	6	2	2	80.19
2023	9	261	95	74	67.30	724	264	230	2.91	4	1	1	82.39
2024	9	203	74	57	69.50	567	207	180	2.99	3	1	1	84.78
2025	9	168	61	48	72.20	471	172	149	3.10	3	1	1	87.70
2026	9	145	53	41	75.39	406	148	129	3.17	2	1	1	91.12
2027	9	128	47	37	76.99	358	131	115	3.24	2	1	1	92.95
2028	9	115	42	34	78.63	322	118	103	3.30	2	1	1	94.82
2029	9	104	38	31	80.20	292	106	93	3.37	2	1	0	96.72
2030	9	95	35	28	81.81	267	97	85	3.43	1	1	0	98.66
2031	9	87	32	26	83.44	245	90	78	3.50	1	0	0	100.63
2032	9	81	29	24	85.11	226	83	72	3.57	1	0	0	102.64
2033	9	74	27	22	86.82	208	76	66	3.64	1	0	0	104.69
2034	8	66	24	20	88.55	181	66	58	3.72	1	0	0	106.79
2035	8	61	22	18	90.32	167	61	53	3.79	1	0	0	108.92
2036	8	56	21	17	92.13	154	56	49	3.87	1	0	0	111.10
2037	8	52	19	16	93.97	142	52	45	3.94	1	0	0	113.32
2038	8	48	17	14	95.85	131	48	42	4.02	1	0	0	115.59
2039	8	44	16	13	97.77	120	44	39	4.10	1	0	0	117.90
2040	8	41	15	12	99.72	111	41	36	4.18	1	0	0	120.26
2041	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.			1,094	885	72.72		2,847	2,487	3.04		16	12	89.63

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	3	1	1	32.56	2	1	1	27.29	9	3	2	47.33
2021	6	2	2	42.65	3	1	1	31.48	15	5	4	53.80
2022	6	2	2	51.73	4	1	1	33.81	16	6	4	58.54
2023	4	1	1	53.06	2	1	1	36.36	10	4	3	60.49
2024	3	1	1	54.72	2	1	0	37.51	8	3	2	62.31
2025	3	1	1	56.73	2	1	0	38.91	7	2	2	64.53
2026	2	1	1	59.09	1	0	0	40.57	6	2	2	67.13
2027	2	1	1	60.34	1	0	0	41.43	5	2	1	68.52
2028	2	1	1	61.61	1	0	0	42.30	5	2	1	69.93
2029	2	1	0	62.85	1	0	0	43.15	4	2	1	71.33
2030	1	1	0	64.10	1	0	0	44.01	4	1	1	72.76
2031	1	0	0	65.39	1	0	0	44.89	4	1	1	74.21
2032	1	0	0	66.69	1	0	0	45.79	3	1	1	75.70
2033	1	0	0	68.03	1	0	0	46.71	3	1	1	77.21
2034	1	0	0	69.39	1	0	0	47.64	3	1	1	78.75
2035	1	0	0	70.78	1	0	0	48.59	2	1	1	80.33
2036	1	0	0	72.19	1	0	0	49.56	2	1	1	81.94
2037	1	0	0	73.64	0	0	0	50.56	2	1	1	83.57
2038	1	0	0	75.11	0	0	0	51.57	2	1	1	85.25
2039	1	0	0	76.61	0	0	0	52.60	2	1	1	86.95
2040	1	0	0	78.14	0	0	0	53.65	2	1	0	88.69
2041	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Tot.		16	12	55.82		9	7	38.74		41	32	64.88

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	68	25	18	48.33	68	25	18	48.33
2020	282	103	85	59.64	381	139	117	47.32
2021	447	163	137	63.80	616	225	192	50.29
2022	412	150	121	65.29	594	217	179	50.17
2023	271	99	77	67.04	392	143	116	51.76
2024	211	77	59	69.22	306	112	89	53.39
2025	175	64	49	71.90	253	93	74	55.41
2026	151	55	43	75.07	218	80	64	57.70
2027	133	49	39	76.66	193	70	58	58.92
2028	119	44	35	78.29	173	63	52	60.14
2029	108	39	32	79.86	157	57	48	61.34
2030	99	36	30	81.45	143	52	44	62.57
2031	91	33	27	83.08	132	48	40	63.82
2032	84	31	25	84.75	122	44	37	65.10
2033	77	28	23	86.44	112	41	34	66.41
2034	69	25	21	88.18	99	36	30	68.03
2035	63	23	19	89.94	91	33	28	69.39
2036	58	21	18	91.74	84	31	26	70.79
2037	54	20	16	93.58	77	28	24	72.22
2038	50	18	15	95.45	71	26	22	73.68
2039	46	17	14	97.36	66	24	20	75.16
2040	42	15	13	99.30	61	22	19	76.68
2041	0	0	0	0.00	0	0	0	0.00
2042	0	0	0	0.00	0	0	0	0.00
2043	0	0	0	0.00	0	0	0	0.00
2044	0	0	0	0.00	0	0	0	0.00
2045	0	0	0	0.00	0	0	0	0.00
Tot.		1,135	916	72.44		1,609	1,331	56.45

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$	Fixed M\$	Variable M\$	Total M\$
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$					
2019	1,205	0	0	1,205	0	1,205	262	93	0	0	355	851	450	112	562
2020	5,982	450	149	6,581	0	6,581	607	515	18	18	1,087	5,494	609	679	1,288
2021	10,118	907	288	11,313	0	11,313	929	816	29	29	1,687	9,626	835	1,125	1,960
2022	9,481	1,064	338	10,883	0	10,883	1,263	789	37	32	1,984	8,899	1,030	1,114	2,144
2023	6,399	769	231	7,399	0	7,399	1,014	538	28	21	1,502	5,897	937	749	1,686
2024	5,155	620	186	5,961	0	5,961	869	434	24	17	1,262	4,698	955	597	1,552
2025	4,433	532	160	5,126	0	5,126	733	374	20	15	1,072	4,053	974	505	1,479
2026	3,986	469	144	4,599	0	4,599	653	336	18	13	959	3,640	994	444	1,437
2027	3,589	424	129	4,142	0	4,142	506	303	13	12	784	3,358	1,014	399	1,413
2028	3,293	388	119	3,800	0	3,800	432	278	11	11	688	3,112	1,034	366	1,400
2029	3,038	358	110	3,506	0	3,506	376	257	10	10	612	2,894	1,055	337	1,392
2030	2,835	334	102	3,272	0	3,272	335	240	9	9	556	2,716	1,076	315	1,391
2031	2,659	313	96	3,068	0	3,068	303	225	9	9	511	2,558	1,097	295	1,393
2032	2,504	295	90	2,889	0	2,889	278	211	8	8	473	2,416	1,119	278	1,397
2033	2,346	276	85	2,707	0	2,707	254	198	8	8	437	2,270	1,142	261	1,402
2034	2,133	246	75	2,455	0	2,455	229	179	7	7	395	2,060	1,097	235	1,332
2035	2,006	231	71	2,307	0	2,307	213	168	6	6	368	1,939	1,119	221	1,339
2036	1,891	218	67	2,175	0	2,175	199	158	6	6	346	1,829	1,141	208	1,349
2037	1,773	204	62	2,040	0	2,040	186	148	6	6	323	1,716	1,164	195	1,359
2038	1,668	192	59	1,919	0	1,919	176	139	5	5	305	1,614	1,187	184	1,371
2039	1,569	180	55	1,805	0	1,805	167	131	5	5	288	1,517	1,211	173	1,383
2040	1,481	170	52	1,703	0	1,703	159	123	5	5	273	1,430	1,235	163	1,398
2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	79,545	8,641	2,668	90,854	0	90,854	10,144	6,653	281	250	16,266	74,588	22,472	8,955	31,427
Disc	41,972	4,343	1,349	47,664	0	47,664	5,422	3,502	148	130	8,646	39,018	8,496	4,743	13,240

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	289	0	0	289	273	0	0	273	16	16	15
2020	0	0	0	4,206	0	0	4,206	3,959	0	536	4,495	-288	-273	-235
2021	0	0	0	7,666	0	0	7,666	6,882	0	1,092	7,975	-309	-581	-478
2022	0	0	0	6,755	0	0	6,755	0	0	0	0	6,755	6,174	4,361
2023	0	0	0	4,211	0	0	4,211	227	0	0	227	3,984	10,158	6,956
2024	0	0	0	3,146	0	0	3,146	0	0	0	0	3,146	13,304	8,818
2025	0	0	0	2,574	0	0	2,574	0	0	0	0	2,574	15,879	10,204
2026	0	0	0	2,203	0	0	2,203	0	0	0	0	2,203	18,082	11,282
2027	0	0	0	1,945	0	0	1,945	0	0	0	0	1,945	20,027	12,147
2028	0	0	0	1,712	0	0	1,712	0	0	0	0	1,712	21,739	12,839
2029	0	0	0	1,501	0	0	1,501	0	0	0	0	1,501	23,240	13,391
2030	0	0	0	1,325	0	0	1,325	0	0	0	0	1,325	24,565	13,834
2031	0	0	0	1,165	0	0	1,165	0	0	0	0	1,165	25,730	14,188
2032	0	0	0	1,019	0	0	1,019	0	0	0	0	1,019	26,749	14,469
2033	0	0	0	868	0	0	868	0	0	0	0	868	27,617	14,687
2034	0	0	0	728	0	0	728	0	0	0	0	728	28,345	14,853
2035	0	0	0	600	0	0	600	0	0	0	0	600	28,945	14,978
2036	0	0	0	480	0	0	480	0	0	0	0	480	29,425	15,068
2037	0	0	0	357	0	0	357	0	0	0	0	357	29,783	15,130
2038	0	0	0	243	0	82	162	0	0	0	0	162	29,945	15,155
2039	0	0	0	134	0	0	134	0	0	0	0	134	30,078	15,174
2040	0	0	0	32	0	0	32	0	0	0	0	32	30,110	15,178
2041	0	0	0	0	0	0	0	0	0	0	0	0	30,110	15,178
2042	0	0	0	0	0	0	0	0	0	0	0	0	30,110	15,178
2043	0	0	0	0	0	0	0	0	0	0	0	0	30,110	15,178
2044	0	0	0	0	0	0	0	0	0	0	0	0	30,110	15,178
2045	0	0	0	0	0	1,125	-1,125	0	0	0	0	-1,125	28,986	15,088
Tot.	0	0	0	43,162	0	1,206	41,955	11,342	0	1,628	12,970	28,986	28,986	15,088
Disc	0	0	0	25,779	0	103	25,676	9,263	0	1,325	10,588	15,088	15,088	15,088

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	1,094	0	1,094	885	1.000	1,094	68	22.0	43.9	5.3
Shale Gas	MMcf	2,847	0	2,847	2,487	6.000	474	29	22.0	13.1	5.8
Gas Heat Content	BBtu	2,847	0	2,847	2,487	0.000	0	0	22.0	13.1	5.8
Condensate	Mbbl	16	0	16	12	1.000	16	1	22.0	13.1	5.8
Butane	Mbbl	16	0	16	12	1.000	16	1	22.0	13.1	5.8
Propane	Mbbl	9	0	9	7	1.000	9	1	22.0	13.1	5.8
Total: NGL	Mbbl	41	0	41	32	1.000	41	3	22.0	13.1	5.8
Total: Oil+NGL	Mbbl	1,135	0	1,135	916	1.000	1,135	71	22.0	45.5	5.4
Total: Oil Eq.	Mboe	1,609	0	1,609	1,331	1.000	1,609	100	22.0	64.5	5.5

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	64,440	86	33,910	87
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,971	11	4,012	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,146	2	583	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	732	1	363	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	298	0	151	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,177	3	1,096	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	66,617	89	35,006	90
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	74,588	100	39,018	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax					
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	
Initial	Average	M\$					\$/boe	
Crown Royalty	21.6960	11.1646	0	43,162	41,955	12,970	28,986	18.01
Non-crown Royalty	7.7254	7.3232	5	32,581	32,241	11,685	20,555	12.77
Mineral Tax	0.0000	0.0000	8	28,177	28,012	11,007	17,005	10.57
			10	25,779	25,676	10,588	15,088	9.37
			12	23,714	23,649	10,194	13,455	8.36
			15	21,109	21,076	9,643	11,432	7.10
			20	17,732	17,721	8,824	8,897	5.53

Evaluator: Lee, Nina
Run Date: June 26, 2019 15:25:40

RESERVES DEFINITIONS

Reserves estimates have been prepared by GLJ Petroleum Consultants (GLJ) in accordance with standards contained in the Canadian Oil and Gas Evaluation (COGE) Handbook. The following reserves definitions are set out by the Canadian Securities Administrators in National Instrument 51-101 Standards of Disclosure for Oil and Gas Activities (NI 51-101; in Part 2 of the Glossary to NI 51-101) with reference to the COGE Handbook [modified to reference the new COGE Handbook].

Reserves Categories

Reserves are estimated remaining quantities of oil and natural gas and related substances anticipated to be recoverable from known accumulations, as of a given date, based on:

- analysis of drilling, geological, geophysical, and engineering data;
- the use of established technology;
- specified economic conditions¹, which are generally accepted as being reasonable, and shall be disclosed.

Reserves are categorized according to the degree of certainty associated with the estimates.

Proved Reserves

Proved reserves are those reserves that can be estimated with a high degree of certainty to be recoverable. It is likely that the actual remaining quantities recovered will exceed the estimated proved reserves.

Probable Reserves

Probable reserves are those additional reserves that are less certain to be recovered than proved reserves. It is equally likely that the actual remaining quantities recovered will be greater or less than the sum of the estimated proved plus probable reserves.

Possible Reserves

Possible reserves are those additional reserves that are less certain to be recovered than probable reserves. It is unlikely that the actual remaining quantities recovered will exceed the sum of the estimated proved plus probable plus possible reserves.

Other criteria that must also be met for the categorization of reserves are provided in Sections 1.3 and 1.4 of the COGE Handbook.

Development and Production Status

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

¹ For securities reporting, the key economic assumptions will be the prices and costs used in the estimate. The required assumptions may vary by jurisdiction, for example:

(a) **forecast prices and costs, in Canada under NI 51-101**

(b) **constant prices and costs**, based on the average of the first day posted prices in each of the 12 months of the reporting issuer's financial year, under **US SEC rules** (this is optional disclosure under NI 51-101).

Developed Reserves

Developed reserves are those reserves that are expected to be recovered from existing wells and installed facilities or, if facilities have not been installed, that would involve a low expenditure (e.g., when compared to the cost of drilling a well) to put the reserves on production. The developed category may be subdivided into producing and non-producing.

Developed Producing Reserves

Developed producing reserves are those reserves that are expected to be recovered from completion intervals open at the time of the estimate. These reserves may be currently producing or, if shut in, they must have previously been on production, and the date of resumption of production must be known with reasonable certainty.

Developed Non-Producing Reserves

Developed non-producing reserves are those reserves that either have not been on production, or have previously been on production, but are shut in, and the date of resumption of production is unknown.

Undeveloped Reserves

Undeveloped reserves are those reserves expected to be recovered from known accumulations where a significant expenditure (for example, when compared to the cost of drilling a well) is required to render them capable of production. They must fully meet the requirements of the reserves category (proved, probable, possible) to which they are assigned.

In multi-well pools, it may be appropriate to allocate total pool reserves between the developed and undeveloped categories or to subdivide the developed reserves for the pool between developed producing and developed non-producing. This allocation should be based on the estimator's assessment as to the reserves that will be recovered from specific wells, facilities, and completion intervals in the pool and their respective development and production status.

Levels of Certainty for Reported Reserves

The qualitative certainty levels referred to in the definitions above are applicable to individual reserves entities (which refers to the lowest level at which reserves calculations are performed) and to Reported Reserves (which refers to the highest level sum of individual entity estimates for which reserves estimates are presented). Reported Reserves should target the following levels of certainty under a specific set of economic conditions:

- at least a 90 percent probability that the quantities actually recovered will equal or exceed the estimated proved reserves;
- at least a 50 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated proved plus probable reserves;
- at least a 10 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated proved plus probable plus possible reserves.

A quantitative measure of the certainty levels pertaining to estimates prepared for the various reserves categories is desirable to provide a clearer understanding of the associated risks and uncertainties. However, the majority of reserves estimates are prepared using deterministic methods that do not provide a mathematically derived quantitative measure of probability. In principle, there should be no difference between estimates prepared using probabilistic or deterministic methods.

Additional clarification of certainty levels associated with reserves estimates and the effect of aggregation is provided in Section 5.7 of the COGE Handbook.

DOCUMENTED RESERVES CATEGORIES

Production and revenue projections are prepared for each of the following main reserves categories:

Reserves Category

Proved

Proved Plus Probable

Production and Development Status

Developed Producing*

Developed Non-Producing

Undeveloped

Total (sum of developed producing, developed non-producing and undeveloped)

** as producing reserves are inherently developed, GLJ simply refers to “developed producing” reserves as “producing”*

Reserves and revenue projections are available in GLJ’s evaluation database for any reserves and development subcategory including those determined by difference (e.g., probable producing).

The following reserves categories are documented in this Corporate Summary volume:

Proved Producing

Proved Developed Non-Producing

Proved Undeveloped

Total Proved

Total Probable

Total Proved Plus Probable

The individual property evaluation report contains detailed documentation of reserves estimation methodology and evaluation procedures.

When evaluating reserves, GLJ evaluators generally first identify the producing situation and assign proved, proved plus probable and proved plus probable plus possible reserves in recognition of the existing level of development and the existing depletion strategy. Incremental non-producing (developed non-producing or undeveloped) reserves are subsequently assigned recognizing future development opportunities and enhancements to the depletion mechanism. It should be recognized that future developments may result in accelerated recovery of producing reserves.

EVALUATION PROCEDURE

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LIST OF ABBREVIATIONS

EVALUATION PROCEDURE

The following outlines the methodology employed by GLJ Petroleum Consultants (GLJ) in conducting the evaluation of the Company's oil and gas properties. GLJ evaluation procedures are in compliance with standards contained in the Canadian Oil and Gas Evaluation (COGE) Handbook.

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 and accounting information were undertaken by GLJ as recommended in the COGE Handbook. 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 by the Canadian Securities Administrators (CSA) in NI 51-101.

In the Securities Reporting section, working interest (or Company Gross) volumes are presented in tables to correspond to NI 51-101 disclosure requirements.

**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

The Company provided GLJ with available accounting data on a property basis and for the corporate total for the period January 1, 2018 to December 31, 2018. In some circumstances this information was also provided on a cost centre basis to address major reserves entities that are a subset of a Company property.

PRODUCTION FORECASTS

In establishing all production forecasts, consideration was given to existing gas 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

ECONOMIC PARAMETERS

Pertinent economic parameters are listed as follows:

- a) The effective date is December 31, 2018.
- b) Operating and capital costs, including maintenance capital, were estimated in 2019 dollars and then escalated as summarized in the Product Price and Market Forecasts section of this report.
- c) Operating costs have been included for active wells in active properties; operating costs for inactive wells and inactive properties are excluded.
- d) 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 December 31, 2018, on a mid-calendar-year basis.
- e) Royalty holidays applicable to existing wells or forecast drilling are included in individual well economics. These credits are itemized within the property reports.
- f) Gas processing allowances relating to remaining undepreciated capital bases, were included in individual property economic evaluations.
- g) Mineral taxes on freehold interests were included.

- h) Field level overhead charges have been included; recovery of overhead expenses has not been included.
- i) The Company's office G&A costs have not been included.
- j) Abandonment and reclamation costs for all existing and future wells to which reserves have been assigned have been included at the property level. Costs have been scheduled 5 years after the last year of production for each well. Additional abandonment and reclamation costs associated with inactive wells, pipelines and facilities have not been included in this analysis.

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
BIIP	bitumen initially-in-place
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
GIIP	gas initially-in-place
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 dollars
MM\$	million 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
OIIP	oil initially-in-place
ORRI	overriding royalty interest
OWC	oil-water contact
P&NG	petroleum and natural gas
PIIP	petroleum initially-in-place
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

PRODUCT PRICE AND MARKET FORECASTS

January 1, 2019

GLJ Petroleum Consultants has prepared its January 1, 2019 price and market forecasts, as summarized in the attached Tables 1, 2, 3 and 4, 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
Crude Oil and Natural Gas Liquids
Price Forecast
Effective January 1, 2019

Year	Inflation %	CAD/USD Exchange Rate USD/CAD	NYMEX WTI Near Month Contract Crude Oil at Cushing, OK		Brent Blend Crude Oil FOB North Sea	MSW, Light Crude Oil (40 API, 0.3%S) at Edmonton	Bow River Crude Oil Stream Quality at Hardisty	WCS Crude Oil Stream Quality at Hardisty	Heavy Crude Oil Proxy (12 API) at Hardisty	Light Sour Crude Oil (35 API, 1.2%S) at Cromer	Medium Crude Oil (29 API, 2.0%S) at Cromer	Alberta Natural Gas Liquids (Then Current Dollars)			
			Constant	Then	Then	Then	Then	Then	Then	Then	Then	Spec Ethane	Edmonton Propane	Edmonton Butane	Edmonton CS+
			2019 \$ USD/bbl	Current USD/bbl	Current USD/bbl	Current CAD/bbl	Current CAD/bbl	Current CAD/bbl	Current CAD/bbl	Current CAD/bbl	Current CAD/bbl	CAD/bbl	CAD/bbl	CAD/bbl	Stream Quality CAD/bbl
2009	0.4	0.8798	72.27	61.78	62.50	66.32	60.18	58.66	54.46	63.84	62.96	N/A	38.03	48.17	68.17
2010	1.8	0.9711	92.68	79.52	80.25	77.87	68.45	67.27	60.76	76.58	73.76	N/A	46.84	65.91	84.27
2011	2.9	1.0115	108.94	95.12	110.86	95.53	78.59	77.14	67.64	92.35	88.33	N/A	53.66	74.42	104.17
2012	1.5	1.0009	104.84	94.21	111.71	86.60	74.42	73.13	63.64	84.51	81.37	N/A	29.04	66.70	100.84
2013	0.9	0.9711	107.39	97.96	108.77	93.47	76.33	75.01	65.11	92.30	88.13	N/A	38.88	68.81	104.70
2014	1.9	0.9055	100.99	93.00	99.71	94.58	81.08	81.03	73.73	92.68	89.67	N/A	45.53	69.20	102.44
2015	1.1	0.7831	51.97	48.78	53.60	57.20	45.50	44.82	39.25	55.49	51.87	N/A	6.49	36.75	60.42
2016	1.4	0.7551	45.69	43.38	45.05	53.08	39.83	38.96	32.78	51.46	48.84	N/A	13.40	34.49	56.25
2017	1.6	0.7712	52.91	50.94	54.80	62.84	50.91	50.53	44.63	62.09	59.96	N/A	28.57	44.46	66.86
2018	2.2	0.7719	66.21	64.74	71.55	70.92	49.92	51.27	41.58	74.58	71.25	N/A	26.91	32.96	80.23
2019 Q1	0.0	0.750	52.50	52.50	59.50	56.67	41.17	40.67	29.67	55.53	52.70	5.52	22.67	11.33	60.67
2019 Q2	0.0	0.750	55.00	55.00	62.00	61.33	45.83	45.33	34.00	60.11	57.04	5.52	24.53	18.40	66.00
2019 Q3	0.0	0.750	57.50	57.50	64.50	64.67	50.50	50.00	41.27	63.37	60.14	5.52	25.87	24.25	69.33
2019 Q4	0.0	0.750	60.00	60.00	67.00	70.67	55.17	54.67	45.67	69.25	65.72	6.20	28.27	31.80	74.67
2019 Full Year	0.0	0.750	56.25	56.25	63.25	63.33	48.17	47.67	37.65	62.07	58.90	5.69	25.33	21.45	67.67
2020	2.0	0.770	61.76	63.00	68.50	75.32	58.94	58.44	51.21	73.82	70.05	7.20	32.39	37.66	79.22
2021	2.0	0.790	64.40	67.00	71.25	79.75	66.32	65.82	59.51	78.15	74.16	8.51	36.68	47.85	83.54
2022	2.0	0.810	65.96	70.00	73.00	81.48	68.40	67.90	61.62	79.85	75.78	9.27	39.11	57.04	85.49
2023	2.0	0.820	66.98	72.50	75.50	83.54	70.62	70.12	63.82	81.87	77.69	10.12	41.77	58.48	87.80
2024	2.0	0.825	67.93	75.00	78.00	86.06	73.23	72.73	66.45	84.34	80.04	10.42	43.03	60.24	90.30
2025	2.0	0.825	68.82	77.50	80.50	89.09	76.26	75.76	69.48	87.31	82.85	10.78	44.55	62.36	93.33
2026	2.0	0.825	70.00	80.41	83.41	92.62	79.78	79.28	73.01	90.77	86.13	11.03	46.31	64.83	96.86
2027	2.0	0.825	70.00	82.02	85.02	94.57	81.74	81.24	74.96	92.68	87.95	11.27	47.28	66.20	98.81
2028	2.0	0.825	70.00	83.66	86.66	96.56	83.72	83.22	76.95	94.63	89.80	11.48	48.28	67.59	100.80
2029+	2.0	0.825	70.00	+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

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

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Table 2
GLJ Petroleum Consultants
Natural Gas and Sulphur
Price Forecast
Effective January 1, 2019

Year	NYMEX Henry Hub		Midwest Price at Chicago	AECO/NIT Spot	Alliance Transfer Pool Spot	Alberta Plant Gate			Saskatchewan Plant Gate			British Columbia		Sulphur FOB Vancouver	Alberta Sulphur at Plant Gate
	Near Month Contract		Then	Then	Then	Spot			Plant Gate			Westcoast Station 2	Spot Plant Gate		
	Constant 2019 \$	Then Current	Current	Current	Current	Constant 2019 \$	Current	ARP	SaskEnergy	Spot	Sumas Spot				
	USD/MMBtu	USD/MMBtu	USD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	USD/MMBtu	CAD/MMBtu	CAD/MMBtu	USD/lt	CAD/lt
2009	4.87	4.16	4.05	3.99	N/A	4.44	3.79	3.85	3.87	3.83	3.80	3.90	3.70	57.06	24.57
2010	5.12	4.40	4.53	4.01	N/A	4.41	3.78	3.77	3.96	3.85	4.12	3.78	3.63	88.94	48.26
2011	4.62	4.03	4.21	3.62	N/A	3.92	3.42	3.46	3.57	3.58	3.90	3.33	3.18	217.16	171.93
2012	3.14	2.83	2.92	2.40	N/A	2.46	2.21	2.25	2.31	2.26	2.70	2.30	2.12	201.03	157.91
2013	4.08	3.73	3.81	3.18	N/A	3.24	2.96	2.98	3.09	3.10	3.71	3.14	2.94	105.74	74.02
2014	4.64	4.28	5.36	4.50	N/A	4.62	4.26	4.22	4.39	4.42	4.37	4.29	4.07	145.41	110.41
2015	2.80	2.63	2.85	2.70	N/A	2.63	2.47	2.56	2.71	2.61	2.31	1.80	1.59	139.61	128.14
2016	2.69	2.55	2.48	2.18	2.36	2.05	1.94	1.93	2.18	2.09	2.18	1.77	1.60	82.96	60.06
2017	3.14	3.02	3.04	2.19	2.16	2.01	1.93	2.22	2.41	2.29	2.62	1.56	1.34	105.62	61.12
2018	3.14	3.07	2.78	1.54	2.25	1.36	1.33	1.34	1.60	2.72	2.26	1.24	1.67	135.68	86.45
2019 Q1	3.00	3.00	2.90	1.80	2.80	1.59	1.59	1.59	1.69	1.90	3.00	1.40	1.19	130.00	123.33
2019 Q2	3.00	3.00	2.90	1.80	2.55	1.59	1.59	1.59	1.69	1.90	2.70	1.50	1.29	130.00	123.33
2019 Q3	3.00	3.00	2.90	1.80	2.30	1.59	1.59	1.59	1.69	1.90	2.60	1.50	1.29	130.00	123.33
2019 Q4	3.00	3.00	2.90	2.00	2.25	1.78	1.78	1.78	1.88	2.10	2.60	1.70	1.49	130.00	123.33
2019 Full Year	3.00	3.00	2.90	1.85	2.47	1.64	1.64	1.64	1.74	1.95	2.73	1.52	1.32	130.00	123.33
2020	3.09	3.15	3.05	2.29	2.29	2.03	2.07	2.07	2.17	2.19	2.70	2.04	1.83	132.60	122.21
2021	3.22	3.35	3.25	2.67	2.67	2.35	2.44	2.44	2.54	2.57	2.90	2.42	2.21	135.25	121.20
2022	3.30	3.50	3.40	2.90	2.90	2.51	2.66	2.66	2.76	2.80	3.05	2.65	2.43	137.96	120.32
2023	3.35	3.63	3.53	3.14	3.14	2.69	2.91	2.91	3.01	3.04	3.18	2.94	2.73	140.72	121.61
2024	3.35	3.70	3.60	3.23	3.23	2.71	2.99	2.99	3.09	3.13	3.25	3.13	2.91	143.53	123.98
2025	3.35	3.77	3.67	3.34	3.34	2.75	3.10	3.10	3.20	3.24	3.32	3.24	3.02	146.40	127.45
2026	3.35	3.85	3.75	3.41	3.41	2.76	3.17	3.17	3.27	3.31	3.40	3.31	3.09	149.32	130.99
2027	3.35	3.93	3.83	3.48	3.48	2.76	3.24	3.24	3.34	3.38	3.48	3.38	3.16	152.31	134.62
2028	3.35	4.00	3.90	3.54	3.54	2.76	3.30	3.30	3.40	3.44	3.55	3.44	3.22	152.31	134.62
2029+	3.35	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	2.76	+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 gathering and processing charges are deducted.

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Table 3
GLJ Petroleum Consultants
International
Price Forecast
Effective January 1, 2019

Year	Inflation %	CADUSD	GBPUSD	EURUSD	NYMEX WTI Near Month Contract Crude Oil at Cushing, OK		Light Louisiana Sweet Crude Oil		Maya Crude Oil		Brent Blend Crude Oil FOB North Sea		NYMEX Henry Hub Near Month Contract		National Balancing Point (UK)	
		Exchange Rate	Exchange Rate	Exchange Rate	Then	Then	Then	Then	Then	Then	Then	Then	Then	Then	Then	Then
		USD/CAD	USD/GBP	USD/EUR	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current
2009	0.4	0.8798	1.5649	1.3930	61.78	69.57	64.31	72.52	56.46	63.55	62.50	70.47	4.16	4.75	4.95	5.68
2010	1.8	0.9711	1.5465	1.3274	79.52	81.85	82.78	85.20	70.29	72.35	80.25	82.58	4.40	4.53	6.39	6.58
2011	2.9	1.0115	1.6038	1.3920	95.12	94.02	112.33	111.03	98.60	97.52	110.86	109.57	4.03	3.98	9.35	9.25
2012	1.5	1.0009	1.5854	1.2861	94.21	94.11	111.77	111.62	99.60	99.50	111.71	111.57	2.83	2.82	9.38	9.37
2013	0.9	0.9711	1.5645	1.3285	97.96	100.95	106.19	109.32	97.26	100.13	108.77	112.04	3.73	3.84	10.50	10.82
2014	1.9	0.9055	1.6472	1.3288	93.00	102.50	94.24	103.88	85.79	94.53	99.71	109.89	4.28	4.72	8.25	9.12
2015	1.1	0.7831	1.5283	1.1097	48.78	62.12	49.43	62.97	44.02	55.99	53.60	68.23	2.63	3.36	6.52	8.31
2016	1.4	0.7551	1.3550	1.1066	43.38	57.33	45.08	59.58	36.40	48.09	45.05	59.54	2.55	3.38	4.66	6.18
2017	1.6	0.7712	1.2890	1.1297	50.94	66.09	54.06	70.09	46.95	60.85	54.80	71.06	3.02	3.92	5.88	7.61
2018	2.2	0.7719	1.3357	1.1816	64.74	83.85	69.76	90.38	62.44	80.96	71.55	92.71	3.07	3.98	7.87	10.21
2019 Q1	0.0	0.750	1.275	1.140	52.50	70.00	58.00	77.33	51.77	69.02	59.50	79.33	3.00	4.00	8.10	10.80
2019 Q2	0.0	0.750	1.275	1.140	55.00	73.33	60.50	80.67	53.94	71.92	62.00	82.67	3.00	4.00	8.10	10.80
2019 Q3	0.0	0.750	1.275	1.140	57.50	76.67	63.00	84.00	56.12	74.82	64.50	86.00	3.00	4.00	8.10	10.80
2019 Q4	0.0	0.750	1.275	1.140	60.00	80.00	65.50	87.33	58.29	77.72	67.00	89.33	3.00	4.00	8.10	10.80
2019 Full Year	0.0	0.750	1.275	1.140	56.25	75.00	61.75	82.33	55.03	73.37	63.25	84.33	3.00	4.00	8.10	10.80
2020	2.0	0.770	1.300	1.150	63.00	81.82	67.00	87.01	59.60	77.40	68.50	88.96	3.15	4.09	7.90	10.26
2021	2.0	0.790	1.300	1.150	67.00	84.81	71.00	89.87	61.99	78.47	71.25	90.19	3.35	4.24	7.75	9.81
2022	2.0	0.810	1.300	1.150	70.00	86.42	74.00	91.36	63.51	78.41	73.00	90.12	3.50	4.32	7.60	9.38
2023	2.0	0.820	1.300	1.150	72.50	88.41	76.50	93.29	65.68	80.10	75.50	92.07	3.63	4.43	7.60	9.27
2024	2.0	0.825	1.300	1.150	75.00	90.91	79.00	95.76	67.86	82.25	78.00	94.55	3.70	4.48	7.60	9.21
2025	2.0	0.825	1.300	1.150	77.50	93.94	81.50	98.79	70.03	84.89	80.50	97.58	3.77	4.57	7.60	9.21
2026	2.0	0.825	1.300	1.150	80.41	97.47	84.41	102.32	72.57	87.96	83.41	101.10	3.85	4.67	7.75	9.39
2027	2.0	0.825	1.300	1.150	82.02	99.42	86.02	104.27	73.97	89.66	85.02	103.05	3.93	4.76	7.90	9.58
2028	2.0	0.825	1.300	1.150	83.66	101.41	87.66	106.25	75.39	91.39	86.66	105.04	4.00	4.85	7.90	9.58
2029+	2.0	0.825	1.300	1.150	+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.

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Table 4
GLJ Petroleum Consultants
US Liquids and Natural Gas
Price Forecast
Effective January 1, 2019

Year	US Natural Gas Liquids (Then Current Dollars)					US Natural Gas (Then Current Dollars)				
	Conway					Mont Belvieu				
	80%-20% E/P Mix USD/bbl	Propane USD/bbl	Butane USD/bbl	Condensate USD/bbl	Ethane USD/bbl	Propane USD/bbl	Butane USD/bbl	Condensate USD/bbl	Rockies Natural Gas USD/MMBtu	Algonquin City-Gates Natural Gas USD/MMBtu
2019 Q1	7.50	27.30	34.13	48.83	10.50	31.50	36.75	50.92	2.70	4.40
2019 Q2	7.50	28.60	35.75	51.15	10.50	33.00	38.50	53.35	2.70	4.40
2019 Q3	7.50	29.90	37.38	53.48	10.50	34.50	40.25	55.78	2.70	4.40
2019 Q4	7.50	31.20	39.00	55.80	10.50	36.00	42.00	58.20	2.70	4.40
2019 Full Year	7.50	29.25	36.56	52.31	10.50	33.75	39.38	54.56	2.70	4.40
2020	7.88	32.76	40.95	58.59	11.03	37.80	44.10	61.11	2.85	4.55
2021	8.38	34.84	43.55	62.31	11.72	40.20	46.90	64.99	3.05	4.55
2022	8.75	36.40	45.50	65.10	12.25	42.00	49.00	67.90	3.20	4.50
2023	9.08	37.70	47.13	67.42	12.71	43.50	50.75	70.33	3.33	4.63
2024	9.25	39.00	48.75	69.75	12.95	45.00	52.50	72.75	3.40	4.70
2025	9.42	40.30	50.38	72.08	13.19	46.50	54.25	75.17	3.47	4.77
2026	9.63	41.81	52.27	74.78	13.47	48.25	56.29	78.00	3.55	4.85
2027	9.83	42.65	53.31	76.28	13.75	49.21	57.41	79.56	3.63	4.93
2028	10.00	43.50	54.38	77.80	14.00	50.20	58.56	81.15	3.70	5.00
2029	+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

Butane prices at Conway and Mont Belvieu represent a blended price of two thirds normal butane and one third iso-butane.

Revised 2018-12-31

SECURITIES REPORTING

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SECURITIES REPORTING OUTLINE

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SECURITIES REPORTING DISCUSSION

The Canadian Securities Administrators (CSA) have set out disclosure standards for Canadian publicly traded oil and gas companies in National Instrument 51-101 (NI 51-101).

This section presents reserves data following the item numbering and formatting in CSA Form 51-101F1 and the sample tables contained in Appendix 1 to the NI 51-101 Companion Policy (51-101CP). This section has been provided to assist the Company in preparing the disclosure required by NI 51-101 and is not intended to be reproduced "as is" in order to satisfy those requirements. The information provided relates only to certain parts of the disclosure required by NI 51-101 and, as a whole, is not presented in a format suitable for compliance with those requirements. It is the Company's responsibility to prepare the format for its disclosure and to ensure compliance with the disclosure requirements of NI 51-101.

The Report on Reserves Data, Form 51-101F2, is provided separately.

Note Regarding Nomenclature:

Throughout this report, "Company Interest" reserves refers 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 by the Canadian Securities Administrators (CSA) in NI 51-101.

In this Securities Reporting section, Company Gross (or working interest) volumes are presented in tables to correspond to NI 51-101 disclosure requirements.

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

PART 1 DATE OF STATEMENT

Item 1.1 Relevant Dates

1. Effective Date:

The effective date of the reserves estimates and revenue projections in this report is December 31, 2018.

2. Data Date:

Estimates of reserves and projections of production were generally prepared using general well information and production data available in the public domain to approximately December 31, 2018. In certain instances, the Company provided production and well information up to December 31, 2018. The Company has

provided GLJ with a representation letter confirming that complete and correct information has been provided to GLJ.

3. Preparation Date:

The preparation date (the latest date of receipt of information relevant to this evaluation) of this report is June 27, 2019.

PART 2 DISCLOSURE OF RESERVES DATA

Item 2.1 Reserves Data (Forecast Prices and Costs)

1. Breakdown of Reserves (Forecast Case)
Refer to Table FP-1
2. Net Present Value of Future Net Revenue (Forecast Case)
Refer to Table FP-2
3. Additional Information Concerning Future Net Revenue (Forecast Case)
 - (a) and (b) Undiscounted Revenue and Costs
Refer to Table FP-3
 - (c) Discounted Future Net Revenue by Product Type
Refer to Table FP-4

PART 3 PRICING ASSUMPTIONS

Item 3.2 Forecast Prices Used in Estimates

1. (a) The forecast reference prices used in preparing the Company's reserves data are provided in Table FP-5.

This price forecast is GLJ's standard price forecast effective January 1, 2019.

PART 4 RECONCILIATION OF CHANGES IN RESERVES

Item 4.1 Reserves Reconciliation

Table FP-6 provides a reconciliation of Company Gross reserves based on forecast prices and costs.

PART 5 ADDITIONAL INFORMATION RELATING TO RESERVES DATA

Item 5.1 Undeveloped Reserves

1.(a) and 2.(a) Year First Attributed

Table FP-7 provides a summary of the undeveloped reserves first attributed during the current fiscal year and the Company total at the current year-end effective date.

GLJ notes that Canadian Securities Administrators have indicated a preference that undeveloped reserves be broken out as shown in the table below. Figures for the current year are provided in Table FP-7; values for prior years may be extracted from previous annual disclosure.

1.(b) and 2.(b) General Basis for Reserves and Timing of Development

Proved and probable undeveloped reserves have been estimated in accordance with procedures and standards contained in the COGE Handbook.

Approximately 100 percent of the proved undeveloped reserves and 100 percent of the proved plus probable undeveloped reserves are scheduled to be developed within the next 5 years.

An outline of properties for which development has been scheduled after 2018 is provided below under Item 5.3. The balance will be developed as plant capacity becomes available.

Item 5.2 Significant Factors or Uncertainties

The evaluated oil and gas properties of the Company have no material extraordinary risks or uncertainties beyond those which are inherent of an oil and gas producing company.

Item 5.3 Future Development Costs

1. Table FP-8 summarizes capital development costs, including maintenance capital, related to the recovery of the Company's reserves.

PART 6 OTHER OIL AND GAS INFORMATION

Item 6.3 Forward Contracts

In accordance with the provisions in NI 51-101, the impact of the Company's financial hedges has not been included in this report.

Item 6.5 Tax Horizon

Based on after tax economic forecasts prepared by GLJ, income taxes are payable by the Company in 2028 in the total proved reserves category and 2022 in the total proved plus probable reserves category. After tax revenue projections are provided in the After Tax Analysis section of this report.

Item 6.8 Production Estimates

Table FP-9 presents a forecast of the Company's production by product type in the first year of forecast.

Production for properties which individually account for 20 percent or more of the Company's forecast production (total proved plus probable reserves, boe basis) in the first year of forecast has been identified separately in this table.

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **After Tax Analysis**

Table FP-1

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2019-01)**
Effective Date: **December 31, 2018**

Summary Of Oil And Gas Reserves

Reserves Category	Tight Oil		Shale Gas		Natural Gas Liquids		Oil Equivalent	
	Company Gross Mbbl	Company Net Mbbl	Company Gross MMcf	Company Net MMcf	Company Gross Mbbl	Company Net Mbbl	Company Gross Mboe	Company Net Mboe
PROVED								
Producing	99	70	0	0	4	2	102	72
Developed Non-Producing	65	55	423	369	3	2	138	118
Undeveloped	382	313	962	838	14	11	556	464
TOTAL PROVED	546	438	1,384	1,208	20	15	796	654
TOTAL PROBABLE	548	447	1,463	1,280	21	17	813	677
TOTAL PROVED PLUS PROBABLE	1,094	885	2,847	2,487	41	32	1,609	1,331

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **After Tax Analysis**

Table FP-2

Reserve Class:
Development Class:
Pricing:
Effective Date:

**Various
Classifications
GLJ (2019-01)
December 31, 2018**

Summary Net Present Values of Future Net Revenue

Reserves Category	Net Present Values of Future Net Revenue Before Income Taxes Discounted At (%/year)					Net Present Values of Future Net Revenue After Income Taxes Discounted At (%/year)					Unit Value Before Income Tax Discounted at 10%/year	
	0%	5%	10%	15%	20%	0%	5%	10%	15%	20%	\$/boe	\$/Mcfe
	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$	M\$		
PROVED												
Producing	508	515	502	482	459	508	515	502	482	459	6.99	1.17
Developed Non-Producing	1,457	1,197	981	806	667	1,457	1,197	981	806	667	8.30	1.38
Undeveloped	10,529	8,013	6,226	4,940	3,994	10,496	7,996	6,217	4,936	3,992	13.42	2.24
TOTAL PROVED	12,495	9,726	7,709	6,228	5,119	12,461	9,709	7,701	6,224	5,117	11.79	1.96
TOTAL PROBABLE	16,491	10,830	7,378	5,204	3,777	11,935	7,915	5,409	3,812	2,758	10.90	1.82
TOTAL PROVED PLUS PROBABLE	28,986	20,555	15,088	11,432	8,897	24,396	17,624	13,109	10,036	7,875	11.34	1.89

Notes

1. Unit values are based on Company Net Reserves.

Company: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **After Tax Analysis**

Table FP-3

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **GLJ (2019-01)**
Effective Date: **December 31, 2018**

Total Future Net Revenue (Undiscounted)

Reserves Category	Revenue M\$	Royalties M\$	Operating Costs M\$	Capital Development Costs M\$	Aband. & Recl. Costs M\$	Future Net Revenue Before Income Taxes M\$	Income Tax M\$	Future Net Revenue After Income Taxes M\$
Proved Producing	6,346	1,872	3,569	255	142	508	-	508
Proved Developed Non-Producing	5,712	805	2,467	830	152	1,457	-	1,457
Proved Undeveloped	30,488	5,199	9,162	5,238	359	10,529	33	10,496
Total Proved	42,546	7,875	15,198	6,324	653	12,495	33	12,461
Total Probable	48,308	8,391	16,228	6,646	553	16,491	4,556	11,935
Total Proved Plus Probable	90,854	16,266	31,427	12,970	1,206	28,986	4,590	24,396

Notes

1. Disclosure is required for Total Proved and Proved Plus Probable reserves

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Table FP-4

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Future Net Revenue by Product Type

	Future Net Revenue Before Income Taxes [2] (Discounted at 10% per year)		
	M\$	\$/boe	\$/Mcfe
<i>Proved Producing</i>			
Tight Oil [1]	502	6.99	1.17
Total: Proved Producing	502	6.99	1.17
<i>Total Proved</i>			
Tight Oil [1]	7,709	11.79	1.96
Total: Total Proved	7,709	11.79	1.96
<i>Total Proved Plus Probable</i>			
Tight Oil [1]	15,088	11.34	1.89
Total: Total Proved Plus Probable	15,088	11.34	1.89

Notes

1. Including solution gas and other by-products
2. Other company revenue and costs not related to a specific production group have been allocated proportionately to production groups. Unit values are based on Company Net Reserves.

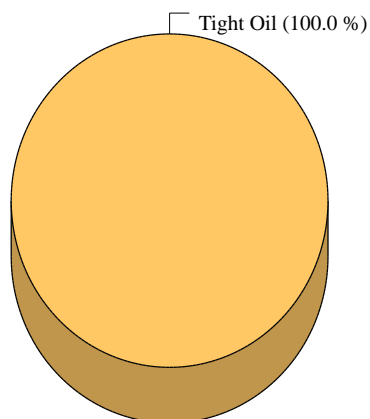
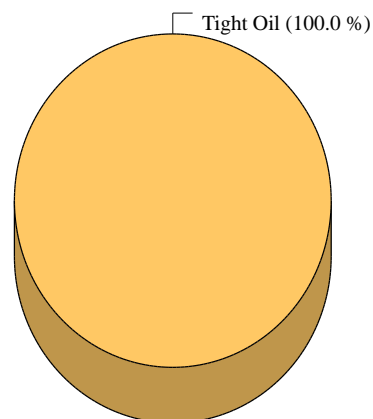
Percentage of Future Net Revenue (10% DCF)***Total Proved******Total Proved Plus Probable***

Table FP-5 (1 of 4)
GLJ Petroleum Consultants
Crude Oil and Natural Gas Liquids
GLJ (2019-01)
Effective January 1, 2019

Year	Inflation %	CAD/USD Exchange Rate USD/CAD	NYMEX WTI Near Month Futures Contract Crude Oil at Cushing, Oklahoma		Brent Blend Crude Oil FOB North Sea	MSW, Light Crude Oil (40 API, 0.3%S) at Edmonton	Bow River Crude Oil Stream Quality at Hardisty	WCS Crude Oil Stream Quality at Hardisty	Heavy Crude Oil Proxy (12 API) at Hardisty	Light Sour Crude Oil (35 API, 1.2%S) at Cromer	Medium Crude Oil (29 API, 2.0%S) at Cromer	Alberta Natural Gas Liquids (Then Current Dollars)			
			Constant 2019 \$ USD/bbl	Then Current USD/bbl	Then Current USD/bbl	Then Current CAD/bbl	Then Current CAD/bbl	Then Current CAD/bbl	Then Current CAD/bbl	Then Current CAD/bbl	Then Current CAD/bbl	Spec Ethane CAD/bbl	Edmonton Propane CAD/bbl	Edmonton Butane CAD/bbl	Edmonton C5+ Stream Quality CAD/bbl
2019	0.0	0.7500	56.25	56.25	63.25	63.33	48.17	47.67	37.65	62.07	58.90	5.69	25.33	21.45	67.67
2020	2.0	0.7700	61.76	63.00	68.50	75.32	58.94	58.44	51.21	73.82	70.05	7.20	32.39	37.66	79.22
2021	2.0	0.7900	64.40	67.00	71.25	79.75	66.32	65.82	59.51	78.15	74.16	8.51	36.68	47.85	83.54
2022	2.0	0.8100	65.96	70.00	73.00	81.48	68.40	67.90	61.62	79.85	75.78	9.27	39.11	57.04	85.49
2023	2.0	0.8200	66.98	72.50	75.50	83.54	70.62	70.12	63.82	81.87	77.69	10.12	41.77	58.48	87.80
2024	2.0	0.8250	67.93	75.00	78.00	86.06	73.23	72.73	66.45	84.34	80.04	10.42	43.03	60.24	90.30
2025	2.0	0.8250	68.82	77.50	80.50	89.09	76.26	75.76	69.48	87.31	82.85	10.78	44.55	62.36	93.33
2026	2.0	0.8250	70.00	80.41	83.41	92.62	79.78	79.28	73.01	90.77	86.13	11.03	46.31	64.83	96.86
2027	2.0	0.8250	70.00	82.02	85.02	94.57	81.74	81.24	74.96	92.68	87.95	11.27	47.28	66.20	98.81
2028	2.0	0.8250	70.00	83.66	86.66	96.56	83.72	83.22	76.95	94.63	89.80	11.48	48.28	67.59	100.80
2029	2.0	0.8250	70.00	+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

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

Table FP-5 (2 of 4)
GLJ Petroleum Consultants
Natural Gas and Sulphur
GLJ (2019-01)
Effective January 1, 2019

Year	NYMEX Henry Hub Near Month Contract		Midwest Price at Chicago	AECO/NIT Spot	Alliance Transfer Pool Spot	Alberta Plant Gate			Saskatchewan Plant Gate			British Columbia		Sulphur FOB Vancouver	Alberta Sulphur at Plant Gate
	Constant 2019 \$	Then Current	Then Current	Then Current	Then Current	Constant 2019 \$	Then Current	ARP	SaskEnergy	Spot	Sumas Spot	Westcoast Station 2	Spot Plant Gate	USD/lt	CAD/lt
	USD/MMBtu	USD/MMBtu	USD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	CAD/MMBtu	USD/MMBtu	CAD/MMBtu	CAD/MMBtu		
2019	3.00	3.00	2.90	1.85	2.47	1.64	1.64	1.64	1.74	1.95	2.73	1.52	1.32	130.00	123.33
2020	3.09	3.15	3.05	2.29	2.29	2.03	2.07	2.07	2.17	2.19	2.70	2.04	1.83	132.60	122.21
2021	3.22	3.35	3.25	2.67	2.67	2.35	2.44	2.44	2.54	2.57	2.90	2.42	2.21	135.25	121.20
2022	3.30	3.50	3.40	2.90	2.90	2.51	2.66	2.66	2.76	2.80	3.05	2.65	2.43	137.96	120.32
2023	3.35	3.63	3.53	3.14	3.14	2.69	2.91	2.91	3.01	3.04	3.18	2.94	2.73	140.72	121.61
2024	3.35	3.70	3.60	3.23	3.23	2.71	2.99	2.99	3.09	3.13	3.25	3.13	2.91	143.53	123.98
2025	3.35	3.77	3.67	3.34	3.34	2.75	3.10	3.10	3.20	3.24	3.32	3.24	3.02	146.40	127.45
2026	3.35	3.85	3.75	3.41	3.41	2.76	3.17	3.17	3.27	3.31	3.40	3.31	3.09	149.32	130.99
2027	3.35	3.93	3.83	3.48	3.48	2.76	3.24	3.24	3.34	3.38	3.48	3.38	3.16	152.31	134.62
2028	3.35	4.00	3.90	3.54	3.54	2.76	3.30	3.30	3.40	3.44	3.55	3.44	3.22	152.31	134.62
2029	3.35	+2.0%/yr	+2.0%/yr	+2.0%/yr	+2.0%/yr	2.76	+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 gathering and processing charges are deducted.

Table FP-5 (3 of 4)
GLJ Petroleum Consultants
International
GLJ (2019-01)
Effective January 1, 2019

Year	Inflation %	CADUSD Exchange Rate USD/CAD	GBPUSD Exchange Rate USD/GBP	EURUSD Exchange Rate USD/EUR	NYMEX WTI Near Month Futures Contract Crude Oil at Cushing, Oklahoma		Light Louisiana Sweet Crude Oil		Maya Crude Oil		Brent Blend Crude Oil FOB North Sea		NYMEX Henry Hub Near Month Contract		National Balancing Point (UK)	
					Then Current USD/bbl	Then Current CAD/bbl	Then Current USD/bbl	Then Current CAD/bbl	Then Current USD/bbl	Then Current CAD/bbl	Then Current USD/bbl	Then Current CAD/bbl	Then Current USD/MMBtu	Then Current CAD/MMBtu	Then Current USD/MMBtu	Then Current CAD/MMBtu
2019	0.0	0.7500	1.2750	1.1400	56.25	75.00	61.75	82.33	55.03	73.37	63.25	84.33	3.00	4.00	8.10	10.80
2020	2.0	0.7700	1.3000	1.1500	63.00	81.82	67.00	87.01	59.60	77.40	68.50	88.96	3.15	4.09	7.90	10.26
2021	2.0	0.7900	1.3000	1.1500	67.00	84.81	71.00	89.87	61.99	78.47	71.25	90.19	3.35	4.24	7.75	9.81
2022	2.0	0.8100	1.3000	1.1500	70.00	86.42	74.00	91.36	63.51	78.41	73.00	90.12	3.50	4.32	7.60	9.38
2023	2.0	0.8200	1.3000	1.1500	72.50	88.41	76.50	93.29	65.68	80.10	75.50	92.07	3.63	4.43	7.60	9.27
2024	2.0	0.8250	1.3000	1.1500	75.00	90.91	79.00	95.76	67.86	82.25	78.00	94.55	3.70	4.48	7.60	9.21
2025	2.0	0.8250	1.3000	1.1500	77.50	93.94	81.50	98.79	70.03	84.89	80.50	97.58	3.77	4.57	7.60	9.21
2026	2.0	0.8250	1.3000	1.1500	80.41	97.47	84.41	102.32	72.57	87.96	83.41	101.10	3.85	4.67	7.75	9.39
2027	2.0	0.8250	1.3000	1.1500	82.02	99.42	86.02	104.27	73.97	89.66	85.02	103.05	3.93	4.76	7.90	9.58
2028	2.0	0.8250	1.3000	1.1500	83.66	101.41	87.66	106.25	75.39	91.39	86.66	105.04	4.00	4.85	7.90	9.58
2029	2.0	0.8250	1.3000	1.1500	+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.

Table FP-5 (4 of 4)
GLJ Petroleum Consultants
US Liquids and Natural Gas
GLJ (2019-01)
Effective January 1, 2019

US Natural Gas Liquids
(Then Current Dollars)

Year	Conway					Mont Belvieu				US Natural Gas (Then Current Dollars)	
	80%-20% E/P Mix USD/bbl	Propane USD/bbl	Butane USD/bbl	Condensate USD/bbl	Ethane USD/bbl	Propane USD/bbl	Butane USD/bbl	Condensate USD/bbl	Rockies Natural Gas USD/MMBtu	Algonquin City-Gates Natural Gas USD/MMBtu	
2019	7.50	29.25	36.56	52.31	10.50	33.75	39.38	54.56	2.70	4.40	
2020	7.88	32.76	40.95	58.59	11.03	37.80	44.10	61.11	2.85	4.55	
2021	8.38	34.84	43.55	62.31	11.72	40.20	46.90	64.99	3.05	4.55	
2022	8.75	36.40	45.50	65.10	12.25	42.00	49.00	67.90	3.20	4.50	
2023	9.08	37.70	47.13	67.42	12.71	43.50	50.75	70.33	3.33	4.63	
2024	9.25	39.00	48.75	69.75	12.95	45.00	52.50	72.75	3.40	4.70	
2025	9.42	40.30	50.38	72.08	13.19	46.50	54.25	75.17	3.47	4.77	
2026	9.63	41.81	52.27	74.78	13.47	48.25	56.29	78.00	3.55	4.85	
2027	9.83	42.65	53.31	76.28	13.75	49.21	57.41	79.56	3.63	4.93	
2028	10.00	43.50	54.38	77.80	14.00	50.20	58.56	81.15	3.70	5.00	
2029	+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

Butane prices at Conway and Mont Belvieu represent a blended price of two thirds normal butane and one third iso-butane.

TABLE FP-6
DRAKKAR ENERGY LTD.
DECEMBER 31, 2018
RECONCILIATION OF COMPANY GROSS RESERVES
BY PRINCIPAL PRODUCT TYPE
FORECAST PRICES AND COSTS

COMPANY TOTAL GROSS

FACTORS	Total Light and Medium Crude			Total Heavy Crude			Total Natural Gas			Total Natural Gas Liquids			BOE		
	Proved (Mbbbl)	Probable (Mbbbl)	Proved + Probable (Mbbbl)	Proved (Mbbbl)	Probable (Mbbbl)	Proved + Probable (Mbbbl)	Proved (MMcf)	Probable (MMcf)	Proved + Probable (MMcf)	Proved (Mbbbl)	Probable (Mbbbl)	Proved + Probable (Mbbbl)	Proved (Mboe)	Probable (Mboe)	Proved + Probable (Mboe)
December 31, 2017	496	491	987	0	0	0	1,096	1,248	2,344	16	18	34	695	717	1,412
Discoveries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extensions*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infill Drilling*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Improved Recovery*	46	11	57	0	0	0	79	19	98	1	0	1	60	14	74
Technical Revisions	20	40	60	0	0	0	191	179	371	4	3	6	56	73	128
Acquisitions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dispositions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Economic Factors	8	6	15	0	0	0	18	16	34	0	0	0	11	9	21
Production	(24)	0	(24)	0	0	0	0	0	0	(1)	0	(1)	(25)	0	(25)
December 31, 2018	546	548	1,094	0	0	0	1,384	1,463	2,847	20	21	41	796	813	1,609

Shale & Tight Reservoirs

FACTORS	Tight Oil			Tight Oil Solution Gas			Shale Gas			Associated Natural Gas Liquids			BOE		
	Proved (Mbbbl)	Probable (Mbbbl)	Proved + Probable (Mbbbl)	Proved (MMcf)	Probable (MMcf)	Proved + Probable (MMcf)	Proved (MMcf)	Probable (MMcf)	Proved + Probable (MMcf)	Proved (Mbbbl)	Probable (Mbbbl)	Proved + Probable (Mbbbl)	Proved (Mboe)	Probable (Mboe)	Proved + Probable (Mboe)
December 31, 2017	496	491	987	0	0	0	1,096	1,248	2,344	16	18	34	695	717	1,412
Discoveries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extensions*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infill Drilling*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Improved Recovery*	46	11	57	0	0	0	79	19	98	1	0	1	60	14	74
Technical Revisions	20	40	60	0	0	0	191	179	371	4	3	6	56	73	128
Acquisitions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dispositions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Economic Factors	8	6	15	0	0	0	18	16	34	0	0	0	11	9	21
Production	(24)	0	(24)	0	0	0	0	0	0	(1)	0	(1)	(25)	0	(25)
December 31, 2018	546	548	1,094	0	0	0	1,384	1,463	2,847	20	21	41	796	813	1,609

* The above change categories correspond to standards set out in the Canadian Oil and Gas Evaluation Handbook. For reporting under NI 51-101, reserves additions under Infill Drilling, Improved Recovery and Extensions should be combined and reported as "Extensions and Improved Recovery".

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Table FP-7

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Undeveloped Reserves Attributed in Current Year

Proved Undeveloped

Light & Medium Oil (Mbbl)		Heavy Oil (Mbbl)		Conventional Natural Gas (MMcf)		Natural Gas Liquids (Mbbl)	
Attributed This Year*	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total
0	0	0	0	0	0	0	14
Tight Oil (Mbbl)		Shale Gas (MMcf)		BOE (Mboe)			
Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total
0	382	0	962	0	556		

Probable Undeveloped

Light & Medium Oil (Mbbl)		Heavy Oil (Mbbl)		Conventional Natural Gas (MMcf)		Natural Gas Liquids (Mbbl)	
Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total
0	0	0	0	0	0	0	18
Tight Oil (Mbbl)		Shale Gas (MMcf)		BOE (Mboe)			
Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total	Attributed This Year	Current Total
0	491	0	1,278	0	723		

* Refers to reserves first attributed in this fiscal year ending on the effective date.

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: **Drakkar Energy Ltd.**
Property: **Corporate**
Description: **After Tax Analysis**

Table FP-8

Reserve Class:
Development Class:
Pricing:
Effective Date:

**Various
Classifications
GLJ (2019-01)
December 31, 2018**

Company Annual Capital Expenditures (M\$)

Entity Description	Year												Totals			10% Discounted
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Subtotal	Remainder	Total	
Proved Producing	28	0	0	0	227	0	0	0	0	0	0	0	255	0	255	175
Total Proved	273	4,495	1,329	0	227	0	0	0	0	0	0	0	6,324	0	6,324	5,352
Total Proved Plus Probable	273	4,495	7,975	0	227	0	0	0	0	0	0	0	12,970	0	12,970	10,588

Company: Drakkar Energy Ltd.
Property: Corporate
Description: After Tax Analysis

Table FP-9

Reserve Class:
Development Class:
Pricing:
Effective Date:
Various
Classifications
GLJ (2019-01)
December 31, 2018

Summary of First Year Production

Entity Description	2019 Average Daily Production			
	Tight Oil		Oil Equivalent	
	Company Gross bbl/d	Company Net bbl/d	Company Gross bbl/d	Company Net bbl/d
Proved Producing				
Girouxville	61	42	61	42
Total: Proved Producing	61	42	61	42
Proved Developed Non-Producing				
Girouxville	6	6	6	6
Total: Proved Developed Non-Producing	6	6	6	6
Proved Undeveloped				
Girouxville	0	0	0	0
Total: Proved Undeveloped	0	0	0	0
Total Proved				
Girouxville	68	48	68	48
Total: Total Proved	68	48	68	48
Total Probable				
Girouxville	1	0	1	0
Total: Total Probable	1	0	1	0
Total Proved Plus Probable				
Girouxville	68	48	68	48
Total: Total Proved Plus Probable	68	48	68	48

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

AFTER TAX ANALYSIS**TABLE OF CONTENTS**

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Proved Undeveloped	83
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Total Probable	89
Total Proved Plus Probable	92

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.

Current Capital

Following the Federal Accelerated Investment Incentive changes, capital is written off at the following depreciation rates:

<u>Capital Classification</u>	<u>2019-2023</u>	<u>2024-2027</u>	<u>2028</u>
Canadian Oil and Gas Property Expense (COGPE)	15	12.5	10
Canadian Development Expense (CDE)	45	37.5	30
Capital Cost Allowance: (CCA)			
Class 41	37.5	25	12.5

Tax Pools

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

<u>Tax Pool Classification</u>	<u>Write-Off Rate (%)</u>	<u>Tax Pool (M\$)</u>
Canadian Oil and Gas Property Expense (COGPE)	10	1332
Canadian Exploration Expense (CEE)	100	1661
Non-Capital Losses	100	6391
Canadian Development Expense (CDE)	30	2947
Capital Cost Allowance: (CCA)		
Class 41	25	748
Shared Unit Issue Costs	20	180

Tax Rates

Federal income tax calculations incorporate income tax rates as follows:

<u>Year</u>	<u>Federal Income Tax Rate</u>
2019+	15.0%

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

<u>Year</u>	<u>Alberta Tax Rate</u>	<u>Alberta Allocation</u>	<u>B.C. Tax Rate</u>	<u>B.C. Allocation</u>	<u>Sask. Tax Rate</u>	<u>Sask. Allocation</u>	<u>Man. Tax Rate</u>	<u>Man. Allocation</u>	<u>Avg. Ann. Tax Rate</u>
2019+	12.00%	100%	12.00%	0	12.00%	0	12.00%	0	12.00%

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

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

	Proved Producing	Proved Developed Non- Producing	Proved Undeveloped	Total Proved	Total Probable	Total Proved Plus Probable
MARKETABLE RESERVES						
<u>Tight Oil (Mbbl)</u>						
Total Company Interest	99	65	382	546	548	1,094
Working Interest	99	65	382	546	548	1,094
Net After Royalty	70	55	313	438	447	885
<u>Shale Gas (MMcf)</u>						
Total Company Interest	0	423	962	1,384	1,463	2,847
Working Interest	0	423	962	1,384	1,463	2,847
Net After Royalty	0	369	838	1,208	1,280	2,487
<u>Natural Gas Liquids (Mbbl)</u>						
Total Company Interest	4	3	14	20	21	41
Working Interest	4	3	14	20	21	41
Net After Royalty	2	2	11	15	17	32
<u>Oil Equivalent (Mboe)</u>						
Total Company Interest	102	138	556	796	813	1,609
Working Interest	102	138	556	796	813	1,609
Net After Royalty	72	118	464	654	677	1,331
BEFORE TAX PRESENT VALUE (M\$)						
0%	508	1,457	10,529	12,495	16,491	28,986
5%	515	1,197	8,013	9,726	10,830	20,555
8%	509	1,062	6,869	8,441	8,565	17,005
10%	502	981	6,226	7,709	7,378	15,088
12%	495	907	5,662	7,063	6,392	13,455
15%	482	806	4,940	6,228	5,204	11,432
20%	459	667	3,994	5,119	3,777	8,897
AFTER TAX PRESENT VALUE (M\$)						
0%	508	1,457	10,496	12,461	11,935	24,396
5%	515	1,197	7,996	9,709	7,915	17,624
8%	509	1,062	6,858	8,430	6,274	14,703
10%	502	981	6,217	7,701	5,409	13,109
12%	495	907	5,655	7,057	4,686	11,743
15%	482	806	4,936	6,224	3,812	10,036
20%	459	667	3,992	5,117	2,758	7,875

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: June 27, 2019 22:28:04

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June 27, 2019 22:45:08

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Proved**
 Development Class: **Producing**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Condensate Production				Butane Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	1	61	22	15	48.33	0	0	0	0.00	0	0	0	0.00
2020	1	48	18	12	60.02	1	0	0	74.12	1	0	0	32.56
2021	1	39	14	10	64.14	1	0	0	78.34	1	0	0	42.65
2022	1	32	12	8	65.56	1	0	0	80.19	1	0	0	51.73
2023	1	27	10	7	67.30	0	0	0	82.39	0	0	0	53.06
2024	1	24	9	6	69.50	0	0	0	84.78	0	0	0	54.72
2025	1	21	7	6	72.20	0	0	0	87.70	0	0	0	56.73
2026	1	18	7	5	75.39	0	0	0	91.12	0	0	0	59.09
2027	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2028	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2029	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Sub.			99	70	62.14		1	1	80.99		1	1	47.35
Rem.			0	0	0.00		0	0	0.00		0	0	0.00
Tot.			99	70	62.14		1	1	80.99		1	1	47.35

Year	Propane Production				Natural Gas Liquids Production				Oil + Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	61	22	15	48.33
2020	1	0	0	27.29	2	1	0	47.33	51	18	12	59.46
2021	0	0	0	31.48	2	1	0	53.80	41	15	10	63.68
2022	0	0	0	33.80	2	1	0	58.54	34	12	9	65.25
2023	0	0	0	36.36	1	0	0	60.49	29	10	8	66.99
2024	0	0	0	37.51	1	0	0	62.31	25	9	7	69.17
2025	0	0	0	38.91	1	0	0	64.53	21	8	6	71.85
2026	0	0	0	40.57	1	0	0	67.13	19	7	5	75.01
2027	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2028	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2029	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Sub.		1	1	33.75		4	2	57.15		102	72	61.97
Rem.		0	0	0.00		0	0	0.00		0	0	0.00
Tot.		1	1	33.75		4	2	57.15		102	72	61.97

Oil Equivalent Production

Year	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	61	22	15	48.33
2020	51	18	12	59.46
2021	41	15	10	63.68
2022	34	12	9	65.25
2023	29	10	8	66.99
2024	25	9	7	69.17
2025	21	8	6	71.85
2026	19	7	5	75.01
2027	0	0	0	0.00
2028	0	0	0	0.00
2029	0	0	0	0.00
2030	0	0	0	0.00
Sub.		102	72	61.97
Rem.		0	0	0.00
Tot.		102	72	61.97

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty	Net Revenue	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing		Allowance		After	After			
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$	Process. M\$	Royalty M\$	Fixed M\$	Variable M\$	Total M\$
2019	1,082	0	0	1,082	0	1,082	254	87	0	0	340	742	416	101	517
2020	1,058	0	39	1,096	0	1,096	284	88	0	0	372	724	424	81	505
2021	914	0	36	950	0	950	229	76	0	0	305	645	433	67	499
2022	776	0	33	809	0	809	173	65	0	0	238	571	441	57	498
2023	675	0	29	703	0	703	137	56	0	0	194	510	336	49	385
2024	600	0	26	626	0	626	114	50	0	0	164	461	343	43	386
2025	540	0	23	563	0	563	93	45	0	0	138	425	350	38	388
2026	496	0	21	517	0	517	79	41	0	0	121	396	357	34	391
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub.	6,141	0	205	6,346	0	6,346	1,364	508	0	0	1,872	4,474	3,100	469	3,569
Rem.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	6,141	0	205	6,346	0	6,346	1,364	508	0	0	1,872	4,474	3,100	469	3,569
Disc	4,553	0	142	4,694	0	4,694	1,039	376	0	0	1,414	3,280	2,206	353	2,560

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	226	0	0	226	28	0	0	28	198	198	188
2020	0	0	0	219	0	0	219	0	0	0	0	219	417	378
2021	0	0	0	146	0	0	146	0	0	0	0	146	562	493
2022	0	0	0	73	0	0	73	0	0	0	0	73	635	545
2023	0	0	0	124	0	0	124	227	0	0	227	-103	533	479
2024	0	0	0	75	0	0	75	0	0	0	0	75	608	523
2025	0	0	0	37	0	0	37	0	0	0	0	37	645	543
2026	0	0	0	5	0	0	5	0	0	0	0	5	650	546
2027	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2028	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2029	0	0	0	0	0	0	0	0	0	0	0	0	650	546
2030	0	0	0	0	0	0	0	0	0	0	0	0	650	546
Sub.	0	0	0	905	0	0	905	255	0	0	255	650	650	546
Rem.	0	0	0	0	0	142	-142	0	0	0	0	-142	508	502
Tot.	0	0	0	905	0	142	763	255	0	0	255	508	508	502
Disc	0	0	0	720	0	43	677	175	0	0	175	502	502	502

AFTER TAX ANALYSIS

Year	Oper. Income M\$	Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					
		CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	Total M\$
2019	226	748	1,332	2,975	1,661	6,427	187	133	892	0	0	1,213
2020	219	561	1,199	2,082	1,661	6,463	140	120	625	0	0	885
2021	146	420	1,079	1,458	1,661	6,499	105	108	437	0	0	650
2022	73	315	971	1,020	1,661	6,535	79	97	306	0	0	482
2023	124	237	874	942	1,661	6,571	59	87	282	0	0	429
2024	75	177	787	659	1,661	6,571	44	79	198	0	0	321
2025	37	133	708	461	1,661	6,571	33	71	138	0	0	242
2026	5	100	637	323	1,661	6,571	25	64	97	0	0	186
2027	0	75	573	226	1,661	6,571	19	57	68	0	0	144
2028	0	56	516	158	1,661	6,571	14	52	47	0	0	113
2029	0	42	465	111	1,661	6,571	11	46	33	0	0	90
2030	0	32	418	78	1,661	6,571	8	42	23	0	0	73
Sub.	905	32	418	78	1,661	6,571	724	956	3,148	0	0	4,828
Rem.	-142	32	418	78	1,661	6,571	6	38	16	0	0	60
Tot.	763	32	418	78	1,661	6,571	730	994	3,164	0	0	4,887
Disc	677						556	647	2,453	0	0	3,657

AFTER TAX ANALYSIS

Year	Taxable Income M\$	Federal		Provincial		ARTD & Investment Credits	Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
		Tax Rate %	Income Tax M\$	Tax Rate %	Income Tax M\$			Annual M\$	Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	-987	15.0	0	12.0	0	0	0	198	198	188	198	198	188
2020	-665	15.0	0	12.0	0	0	0	219	417	378	219	417	378
2021	-505	15.0	0	12.0	0	0	0	146	562	493	146	562	493
2022	-409	15.0	0	12.0	0	0	0	73	635	545	73	635	545
2023	-305	15.0	0	12.0	0	0	0	-103	533	479	-103	533	479
2024	-245	15.0	0	12.0	0	0	0	75	608	523	75	608	523
2025	-205	15.0	0	12.0	0	0	0	37	645	543	37	645	543
2026	-180	15.0	0	12.0	0	0	0	5	650	546	5	650	546
2027	-144	15.0	0	12.0	0	0	0	0	650	546	0	650	546
2028	-113	15.0	0	12.0	0	0	0	0	650	546	0	650	546
2029	-90	15.0	0	12.0	0	0	0	0	650	546	0	650	546
2030	-73	15.0	0	12.0	0	0	0	0	650	546	0	650	546
Sub.	-3,922		0		0	0	0	650	650	546	650	650	546
Rem.	-202		0		0	0	0	-142	508	502	-142	508	502
Tot.	-4,124		0		0	0	0	508	508	502	508	508	502
Disc	-2,980		0		0	0	0	502	502	502	502	502	502

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	99	0	99	70	1.000	99	96	8.0	4.4	2.7
Condensate	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Butane	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Propane	Mbbl	1	0	1	1	1.000	1	1	8.0	4.4	3.6
Total: NGL	Mbbl	4	0	4	2	1.000	4	4	8.0	4.4	3.6
Total: Oil+NGL	Mbbl	102	0	102	72	1.000	102	100	8.0	4.6	2.7
Total: Oil Eq.	Mboe	102	0	102	72	1.000	102	100	8.0	4.6	2.7

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,357	97	3,200	98
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59	1	41	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40	1	27	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	0	12	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	3	80	2
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,474	100	3,280	100
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	15.19	23.07	0.00	10.07	4,474	100	3,280	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)	Net Present Value Before Income Tax							Net Present Value After Income Tax				
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow		Operating Income M\$	Capital Invest. M\$	Cash Flow	
	Initial	Average					M\$	\$/boe			M\$	\$/boe
Crown Royalty	23.4284	21.4959	0	905	763	255	508	4.96	763	255	508	4.96
Non-crown Royalty	8.0000	8.0000	5	802	725	210	515	5.03	725	210	515	5.03
Mineral Tax	0.0000	0.0000	8	751	697	188	509	4.97	697	188	509	4.97
			10	720	677	175	502	4.91	677	175	502	4.91
			12	692	658	163	495	4.83	658	163	495	4.83
			15	654	629	147	482	4.70	629	147	482	4.70
			20	599	584	126	459	4.48	584	126	459	4.48

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:02

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Proved**
 Development Class: **Developed Non-Producing**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	1	6	2	2	48.33	0	0	0	0.00	0	0	0	0.00
2020	1	39	14	12	60.02	253	92	81	2.07	1	0	0	74.12
2021	1	27	10	8	64.14	203	74	65	2.44	0	0	0	78.34
2022	1	19	7	6	65.56	157	57	50	2.66	0	0	0	80.19
2023	1	15	5	5	67.30	129	47	41	2.91	0	0	0	82.39
2024	1	12	4	4	69.50	109	40	35	2.99	0	0	0	84.78
2025	1	10	4	3	72.20	94	34	30	3.10	0	0	0	87.70
2026	1	9	3	3	75.39	82	30	26	3.17	0	0	0	91.12
2027	3	24	9	7	76.99	73	27	23	3.24	0	0	0	92.95
2028	2	19	7	6	78.63	56	20	18	3.30	0	0	0	94.82
2029	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Sub.			65	55	67.68		423	369	2.69		1	1	83.74
Rem.			0	0	0.00		0	0	0.00		0	0	0.00
Tot.			65	55	67.68		423	369	2.69		1	1	83.74

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	1	0	0	32.56	0	0	0	27.29	1	1	0	47.33
2021	0	0	0	42.65	0	0	0	31.48	1	0	0	53.80
2022	0	0	0	51.73	0	0	0	33.81	1	0	0	58.54
2023	0	0	0	53.06	0	0	0	36.36	1	0	0	60.49
2024	0	0	0	54.72	0	0	0	37.51	0	0	0	62.31
2025	0	0	0	56.73	0	0	0	38.91	0	0	0	64.53
2026	0	0	0	59.09	0	0	0	40.57	0	0	0	67.13
2027	0	0	0	60.34	0	0	0	41.43	1	0	0	68.52
2028	0	0	0	61.61	0	0	0	42.30	1	0	0	69.93
2029	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Sub.		1	1	49.72		1	0	35.31		3	2	59.48
Rem.		0	0	0.00		0	0	0.00		0	0	0.00
Tot.		1	1	49.72		1	0	35.31		3	2	59.48

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	6	2	2	48.33	6	2	2	48.33
2020	40	15	13	59.58	82	30	26	35.43
2021	29	10	8	63.74	62	23	19	37.13
2022	20	7	6	65.30	46	17	14	37.17
2023	15	6	5	67.05	37	13	12	37.95
2024	12	5	4	69.23	31	11	10	38.65
2025	10	4	3	71.92	26	10	8	39.81
2026	9	3	3	75.08	23	8	7	41.14
2027	25	9	7	76.63	37	13	11	57.72
2028	20	7	6	78.28	29	11	9	59.55
2029	0	0	0	0.00	0	0	0	0.00
2030	0	0	0	0.00	0	0	0	0.00
Sub.		68	57	67.37		138	118	41.29
Rem.		0	0	0.00		0	0	0.00
Tot.		68	57	67.37		138	118	41.29

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$			
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$			Fixed M\$	Variable M\$	Total M\$
2019	111	0	0	111	0	111	3	6	0	0	9	102	34	10	44
2020	849	191	25	1,065	0	1,065	87	66	11	7	135	931	82	159	241
2021	643	181	22	847	0	847	124	55	10	6	163	684	105	124	229
2022	455	153	16	624	0	624	68	41	8	5	96	528	107	94	201
2023	358	137	13	508	0	508	42	33	7	4	64	444	109	77	186
2024	301	120	10	431	0	431	29	28	6	3	48	383	111	66	177
2025	263	106	9	379	0	379	23	25	5	3	39	339	114	57	171
2026	237	95	8	341	0	341	20	22	5	3	35	306	116	51	167
2027	662	86	26	775	0	775	67	57	2	2	120	655	482	77	559
2028	544	67	21	632	0	632	55	46	2	2	97	535	432	62	493
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub.	4,425	1,138	149	5,712	0	5,712	518	378	56	35	805	4,907	1,691	776	2,467
Rem.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot.	4,425	1,138	149	5,712	0	5,712	518	378	56	35	805	4,907	1,691	776	2,467
Disc	2,859	748	93	3,700	0	3,700	343	241	38	24	522	3,177	906	517	1,423

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs		Net Capital Investment				Before Tax Cash Flow		
						Oper. Income M\$	Income M\$	Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	58	0	0	58	245	0	0	245	-187	-187	-178
2020	0	0	0	690	0	0	690	585	0	0	585	104	-83	-88
2021	0	0	0	455	0	0	455	0	0	0	0	455	372	271
2022	0	0	0	327	0	0	327	0	0	0	0	327	699	505
2023	0	0	0	258	0	0	258	0	0	0	0	258	957	673
2024	0	0	0	206	0	0	206	0	0	0	0	206	1,164	795
2025	0	0	0	168	0	0	168	0	0	0	0	168	1,332	886
2026	0	0	0	140	0	0	140	0	0	0	0	140	1,472	954
2027	0	0	0	96	0	0	96	0	0	0	0	96	1,568	997
2028	0	0	0	42	0	0	42	0	0	0	0	42	1,609	1,014
2029	0	0	0	0	0	0	0	0	0	0	0	0	1,609	1,014
2030	0	0	0	0	0	0	0	0	0	0	0	0	1,609	1,014
Sub.	0	0	0	2,440	0	0	2,440	830	0	0	830	1,609	1,609	1,014
Rem.	0	0	0	0	0	152	-152	0	0	0	0	-152	1,457	981
Tot.	0	0	0	2,440	0	152	2,288	830	0	0	830	1,457	1,457	981
Disc	0	0	0	1,755	0	33	1,722	741	0	0	741	981	981	981

AFTER TAX ANALYSIS

Year	Oper. Income M\$	Tax Pool Balances Incl. Current Year Additions					Depreciation & Writeoffs					Total M\$
		CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	
2019	58	0	0	245	0	0	0	0	74	0	0	74
2020	690	0	0	757	0	0	0	0	227	0	0	227
2021	455	0	0	530	0	0	0	0	159	0	0	159
2022	327	0	0	371	0	0	0	0	111	0	0	111
2023	258	0	0	260	0	0	0	0	78	0	0	78
2024	206	0	0	182	0	0	0	0	55	0	0	55
2025	168	0	0	127	0	0	0	0	38	0	0	38
2026	140	0	0	89	0	0	0	0	27	0	0	27
2027	96	0	0	62	0	0	0	0	19	0	0	19
2028	42	0	0	44	0	0	0	0	13	0	0	13
2029	0	0	0	31	0	0	0	0	9	0	0	9
2030	0	0	0	21	0	0	0	0	6	0	0	6
Sub.	2,440	0	0	21	0	0	0	0	816	0	0	816
Rem.	-152	0	0	21	0	0	8	64	29	0	0	101
Tot.	2,288	0	0	21	0	0	8	64	845	0	0	917
Disc	1,722						2	17	616	0	0	635

AFTER TAX ANALYSIS

Year	Federal			Provincial			ARTD & Investment Credits	Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
	Taxable Income M\$	Tax Rate %	Income Tax M\$	Tax Rate %	Income Tax M\$	Annual M\$			Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$	
2019	-16	15.0	0	12.0	0	0	0	0	-187	-187	-178	-187	-187	-178
2020	463	15.0	0	12.0	0	0	0	0	104	-83	-88	104	-83	-88
2021	296	15.0	0	12.0	0	0	0	0	455	372	271	455	372	271
2022	216	15.0	0	12.0	0	0	0	0	327	699	505	327	699	505
2023	180	15.0	0	12.0	0	0	0	0	258	957	673	258	957	673
2024	152	15.0	0	12.0	0	0	0	0	206	1,164	795	206	1,164	795
2025	130	15.0	0	12.0	0	0	0	0	168	1,332	886	168	1,332	886
2026	113	15.0	0	12.0	0	0	0	0	140	1,472	954	140	1,472	954
2027	77	15.0	0	12.0	0	0	0	0	96	1,568	997	96	1,568	997
2028	29	15.0	0	12.0	0	0	0	0	42	1,609	1,014	42	1,609	1,014
2029	-9	15.0	0	12.0	0	0	0	0	0	1,609	1,014	0	1,609	1,014
2030	-6	15.0	0	12.0	0	0	0	0	0	1,609	1,014	0	1,609	1,014
Sub.	1,624		0		0	0	0	0	1,609	1,609	1,014	1,609	1,609	1,014
Rem.	-253		0		0	0	0	0	-152	1,457	981	-152	1,457	981
Tot.	1,371		0		0	0	0	0	1,457	1,457	981	1,457	1,457	981
Disc	1,088		0		0	0	0	0	981	981	981	981	981	981

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)			
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life	
Tight Oil	Mbbl	65	0	65	55	1.000	65	47	10.0	28.6	3.9	
Shale Gas	MMcf	423	0	423	369	6.000	70	51	10.0	4.6	3.8	
Gas Heat Content	BBtu	423	0	423	369	0.000	0	0	10.0	4.6	3.8	
Condensate	Mbbl	1	0	1	1	1.000	1	1	10.0	4.8	4.3	
Butane	Mbbl	1	0	1	1	1.000	1	1	10.0	4.8	4.3	
Propane	Mbbl	1	0	1	0	1.000	1	0	10.0	4.8	4.3	
Total: NGL	Mbbl	3	0	3	2	1.000	3	2	10.0	4.8	4.3	
Total: Oil+NGL	Mbbl	68	0	68	57	1.000	68	49	10.0	29.7	3.9	
Total: Oil Eq.	Mboe	138	0	138	118	1.000	138	100	10.0	60.5	3.8	

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	3,716	76	2,396	75
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,069	22	705	22
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64	1	40	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	1	25	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	0	11	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121	2	76	2
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	3,838	78	2,473	78
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	3.74	19.29	0.00	25.31	4,907	100	3,177	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)	Net Present Value Before Income Tax						Net Present Value After Income Tax					
	Disc. Rate %		Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow		Operating Income M\$	Capital Invest. M\$	Cash Flow		
	Initial	Average				M\$	\$/boe			M\$	\$/boe	
Crown Royalty	2.7396	9.0640	0	2,440	2,288	830	1,457	10.54	2,288	830	1,457	10.54
Non-crown Royalty	5.0000	6.6252	5	2,050	1,981	783	1,197	8.66	1,981	783	1,197	8.66
Mineral Tax	0.0000	0.0000	8	1,864	1,820	757	1,062	7.68	1,820	757	1,062	7.68
			10	1,755	1,722	741	981	7.09	1,722	741	981	7.09
			12	1,656	1,632	725	907	6.55	1,632	725	907	6.55
			15	1,525	1,510	703	806	5.83	1,510	703	806	5.83
			20	1,343	1,336	669	667	4.82	1,336	669	667	4.82

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:03

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Proved**
 Development Class: **Undeveloped**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	2	170	62	54	60.02	306	112	97	2.07	2	1	1	74.12
2021	3	205	75	66	64.14	500	182	160	2.44	3	1	1	78.34
2022	3	119	43	33	65.56	321	117	102	2.66	2	1	0	80.19
2023	3	85	31	23	67.30	229	84	72	2.91	1	0	0	82.39
2024	3	66	24	18	69.50	179	65	56	2.99	1	0	0	84.78
2025	3	54	20	15	72.20	146	53	47	3.10	1	0	0	87.70
2026	3	46	17	13	75.39	124	45	40	3.17	1	0	0	91.12
2027	3	40	15	12	76.99	108	39	34	3.24	1	0	0	92.95
2028	3	35	13	10	78.63	95	35	30	3.30	1	0	0	94.82
2029	5	48	18	15	80.20	135	49	43	3.37	1	0	0	96.72
2030	5	44	16	13	81.81	121	44	39	3.43	1	0	0	98.66
Sub.			333	272	68.11		826	720	2.78		5	4	83.83
Rem.			49	41	85.72		135	119	3.60		1	1	103.37
Tot.			382	313	70.36		962	838	2.89		5	4	86.58

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	2	1	1	32.56	1	0	0	27.29	4	2	1	47.33
2021	3	1	1	42.65	2	1	1	31.48	7	3	2	53.80
2022	2	1	0	51.73	1	0	0	33.81	5	2	1	58.54
2023	1	0	0	53.06	1	0	0	36.36	3	1	1	60.49
2024	1	0	0	54.72	1	0	0	37.51	3	1	1	62.31
2025	1	0	0	56.73	0	0	0	38.91	2	1	1	64.53
2026	1	0	0	59.09	0	0	0	40.57	2	1	0	67.13
2027	1	0	0	60.34	0	0	0	41.43	2	1	0	68.52
2028	1	0	0	61.62	0	0	0	42.30	1	1	0	69.93
2029	1	0	0	62.85	0	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
Sub.		5	4	50.38		3	2	35.49		12	10	59.81
Rem.		1	1	67.17		0	0	46.12		2	2	76.23
Tot.		5	4	52.74		3	2	36.98		14	11	62.12

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	0	0	0	0.00	0	0	0	0.00
2020	175	64	55	59.70	226	82	71	49.00
2021	212	77	68	63.79	295	108	94	49.92
2022	123	45	35	65.30	177	65	52	50.40
2023	88	32	24	67.04	126	46	36	52.06
2024	69	25	19	69.23	99	36	28	53.74
2025	56	21	16	71.91	81	29	23	55.80
2026	48	17	14	75.08	68	25	20	58.13
2027	41	15	12	76.68	59	22	18	59.38
2028	37	13	11	78.30	53	19	16	60.62
2029	50	18	15	79.86	73	27	22	61.45
2030	45	17	14	81.46	66	24	20	62.68
Sub.		345	282	67.82		482	402	53.22
Rem.		51	43	85.35		73	62	65.70
Tot.		395	324	70.07		556	464	54.86

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing		Total Royalty After Process. M\$	Net Revenue After Royalty M\$	Operating Expenses		
	Working Interest				Royalty Interest Total M\$	Company Interest Total M\$	Pre-Processing		Allowance				Fixed M\$	Variable M\$	Total M\$
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$			Crown M\$	Other M\$	Crown M\$	Other M\$					
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	3,728	231	76	4,036	0	4,036	202	330	6	10	516	3,520	103	399	502
2021	4,788	446	142	5,376	0	5,376	269	389	11	14	632	4,744	210	539	749
2022	2,844	312	99	3,255	0	3,255	489	240	12	9	708	2,547	214	331	545
2023	2,083	243	73	2,399	0	2,399	378	178	9	7	540	1,860	218	241	459
2024	1,680	195	59	1,935	0	1,935	327	144	8	6	458	1,477	223	192	415
2025	1,427	165	50	1,642	0	1,642	251	123	6	5	363	1,278	227	160	387
2026	1,263	143	44	1,450	0	1,450	195	108	4	4	295	1,155	232	139	370
2027	1,119	127	39	1,285	0	1,285	154	96	4	4	243	1,042	236	123	359
2028	1,013	115	35	1,162	0	1,162	128	87	3	3	209	954	241	111	352
2029	1,418	166	51	1,634	0	1,634	156	121	5	5	268	1,367	686	157	843
2030	1,301	152	47	1,500	0	1,500	135	111	4	4	238	1,262	700	144	844
Sub.	22,665	2,296	714	25,675	0	25,675	2,684	1,929	71	70	4,471	21,204	3,289	2,537	5,826
Rem.	4,177	487	149	4,813	0	4,813	398	356	13	14	728	4,085	2,874	462	3,336
Tot.	26,842	2,783	863	30,488	0	30,488	3,082	2,284	84	84	5,199	25,289	6,163	2,999	9,162
Disc	15,762	1,554	485	17,801	0	17,801	1,737	1,340	48	48	2,982	14,820	2,368	1,762	4,130

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow			
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$	
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	3,017	0	0	3,017	3,374	0	536	3,909	-892	-892	-773	
2021	0	0	0	3,995	0	0	3,995	1,147	0	182	1,329	2,666	1,774	1,327	
2022	0	0	0	2,001	0	0	2,001	0	0	0	0	2,001	3,775	2,761	
2023	0	0	0	1,400	0	0	1,400	0	0	0	0	1,400	5,175	3,673	
2024	0	0	0	1,062	0	0	1,062	0	0	0	0	1,062	6,237	4,302	
2025	0	0	0	891	0	0	891	0	0	0	0	891	7,129	4,781	
2026	0	0	0	785	0	0	785	0	0	0	0	785	7,913	5,165	
2027	0	0	0	683	0	0	683	0	0	0	0	683	8,596	5,469	
2028	0	0	0	602	0	0	602	0	0	0	0	602	9,198	5,713	
2029	0	0	0	523	0	0	523	0	0	0	0	523	9,722	5,905	
2030	0	0	0	418	0	0	418	0	0	0	0	418	10,139	6,045	
Sub.	0	0	0	15,378	0	0	15,378	4,521	0	718	5,238	10,139	10,139	6,045	
Rem.	0	0	0	749	0	359	390	0	0	0	0	390	10,529	6,226	
Tot.	0	0	0	16,127	0	359	15,768	4,521	0	718	5,238	10,529	10,529	6,226	
Disc	0	0	0	10,690	0	28	10,662	3,828	0	608	4,436	6,226	6,226	6,226	

AFTER TAX ANALYSIS

Year	Tax Pool Balances Incl. Current Year Additions						Depreciation & Writeoffs					
	Oper. Income M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	Total M\$
2019	0	0	0	0	0	0	0	0	0	0	0	0
2020	3,017	536	0	3,374	0	0	67	0	1,012	0	1,736	2,815
2021	3,995	651	0	3,509	0	-1,736	140	0	1,053	0	2,593	3,786
2022	2,001	511	0	2,456	0	-4,329	128	0	737	0	944	1,808
2023	1,400	383	0	1,719	0	-5,273	96	0	516	0	664	1,276
2024	1,062	287	0	1,203	0	-5,937	72	0	361	0	535	968
2025	891	215	0	842	0	-6,473	54	0	253	411	99	816
2026	785	162	0	590	-411	-6,571	40	0	177	500	0	717
2027	683	121	0	413	-910	-6,571	30	0	124	462	0	616
2028	602	91	0	289	-1,373	-6,571	23	0	87	288	0	397
2029	523	68	0	202	-1,661	-6,571	17	0	61	0	0	78
2030	418	51	0	142	-1,661	-6,571	13	0	42	0	0	55
Sub.	15,378	51	0	142	-1,661	-6,571	679	0	4,422	1,661	6,571	13,333
Rem.	390	51	0	142	-1,661	-6,571	44	129	116	0	0	288
Tot.	15,768	51	0	142	-1,661	-6,571	723	129	4,538	1,661	6,571	13,621
Disc	10,662						457	24	3,162	788	5,027	9,458

AFTER TAX ANALYSIS

Year	Federal		Provincial		ARTD & Investment Credits	Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
	Taxable Income M\$	Tax Rate %	Income Tax M\$	Tax Rate %			Annual M\$	Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	15.0	0	12.0	0	0	0	0	0	0	0	0
2020	203	15.0	0	12.0	0	0	-892	-892	-773	-892	-892	-773
2021	209	15.0	0	12.0	0	0	2,666	1,774	1,327	2,666	1,774	1,327
2022	193	15.0	0	12.0	0	0	2,001	3,775	2,761	2,001	3,775	2,761
2023	124	15.0	0	12.0	0	0	1,400	5,175	3,673	1,400	5,175	3,673
2024	94	15.0	0	12.0	0	0	1,062	6,237	4,302	1,062	6,237	4,302
2025	75	15.0	0	12.0	0	0	891	7,129	4,781	891	7,129	4,781
2026	67	15.0	0	12.0	0	0	785	7,913	5,165	785	7,913	5,165
2027	67	15.0	0	12.0	0	0	683	8,596	5,469	683	8,596	5,469
2028	205	15.0	0	12.0	0	0	602	9,198	5,713	602	9,198	5,713
2029	446	15.0	0	12.0	0	0	523	9,722	5,905	523	9,722	5,905
2030	362	15.0	0	12.0	0	0	418	10,139	6,045	418	10,139	6,045
Sub.	2,045		0		0	0	10,139	10,139	6,045	10,139	10,139	6,045
Rem.	102		19		15	0	390	10,529	6,226	357	10,496	6,217
Tot.	2,146		19		15	0	33	10,529	6,226	10,496	10,496	6,217
Disc	1,204		5		4	0	9	6,226	6,226	6,226	6,217	6,217

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	382	0	382	313	1.000	382	69	16.0	6.1	4.3
Shale Gas	MMcf	962	0	962	838	6.000	160	29	16.0	8.6	4.8
Gas Heat Content	BBtu	962	0	962	838	0.000	0	0	16.0	8.6	4.8
Condensate	Mbbl	5	0	5	4	1.000	5	1	16.0	8.6	4.8
Butane	Mbbl	5	0	5	4	1.000	5	1	16.0	8.6	4.8
Propane	Mbbl	3	0	3	2	1.000	3	1	16.0	8.6	4.8
Total: NGL	Mbbl	14	0	14	11	1.000	14	2	16.0	8.6	4.8
Total: Oil+NGL	Mbbl	395	0	395	324	1.000	395	71	16.0	6.2	4.4
Total: Oil Eq.	Mboe	556	0	556	464	1.000	556	100	16.0	6.7	4.5

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,004	87	12,979	88
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,557	10	1,428	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	390	2	224	2
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239	1	133	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98	0	56	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	728	3	412	3
Total: Oil+NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,732	90	13,391	90
Total: Oil Eq.	\$/boe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,289	100	14,820	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax						Net Present Value After Income Tax			
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow		Operating Income M\$	Capital Invest. M\$	Cash Flow	
							M\$	\$/boe			M\$	\$/boe
	Initial	Average										
Crown Royalty	0.0000	10.1098	0	16,127	15,768	5,238	10,529	18.95	15,734	5,238	10,496	18.89
Non-crown Royalty	0.0000	7.4928	5	12,928	12,823	4,810	8,013	14.42	12,806	4,810	7,996	14.39
Mineral Tax	0.0000	0.0000	8	11,497	11,449	4,579	6,869	12.36	11,438	4,579	6,858	12.34
			10	10,690	10,662	4,436	6,226	11.20	10,653	4,436	6,217	11.19
			12	9,976	9,961	4,299	5,662	10.19	9,955	4,299	5,655	10.18
			15	9,052	9,047	4,107	4,940	8.89	9,043	4,107	4,936	8.88
			20	7,809	7,811	3,816	3,994	7.19	7,808	3,816	3,992	7.18

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:04

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Proved**
 Development Class: **Total**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	2	68	25	17	48.33	0	0	0	0.00	0	0	0	0.00
2020	5	257	94	78	60.02	559	204	178	2.07	3	1	1	74.12
2021	6	271	99	83	64.14	703	257	225	2.44	4	1	1	78.34
2022	6	170	62	47	65.56	478	175	152	2.66	3	1	1	80.19
2023	6	127	46	35	67.30	358	131	113	2.91	2	1	0	82.39
2024	6	102	37	28	69.50	288	105	91	2.99	2	1	0	84.78
2025	6	85	31	24	72.20	240	88	77	3.10	1	0	0	87.70
2026	6	73	26	21	75.39	206	75	66	3.17	1	0	0	91.12
2027	6	63	23	19	76.99	181	66	58	3.24	1	0	0	92.95
2028	5	54	20	16	78.63	151	55	48	3.30	1	0	0	94.82
2029	5	48	18	15	80.20	135	49	43	3.37	1	0	0	96.72
2030	5	44	16	13	81.81	121	44	39	3.43	1	0	0	98.66
Sub.			497	397	66.86		1,249	1,089	2.75		7	5	83.25
Rem.			49	41	85.72		135	119	3.60		1	1	103.37
Tot.			546	438	68.55		1,384	1,208	2.83		8	6	85.22

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	3	1	1	32.56	2	1	1	27.29	8	3	2	47.33
2021	4	1	1	42.65	2	1	1	31.48	10	4	3	53.80
2022	3	1	1	51.73	2	1	0	33.81	7	3	2	58.54
2023	2	1	1	53.06	1	0	0	36.36	5	2	1	60.49
2024	2	1	0	54.72	1	0	0	37.51	4	2	1	62.31
2025	1	0	0	56.73	1	0	0	38.91	3	1	1	64.53
2026	1	0	0	59.09	1	0	0	40.57	3	1	1	67.13
2027	1	0	0	60.34	1	0	0	41.43	3	1	1	68.52
2028	1	0	0	61.61	1	0	0	42.30	2	1	1	69.93
2029	1	0	0	62.85	0	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
Sub.		7	5	49.69		4	3	35.12		18	13	59.23
Rem.		1	1	67.17		0	0	46.12		2	2	76.23
Tot.		8	6	51.40		5	3	36.19		20	15	60.90

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	68	25	17	48.33	68	25	17	48.33
2020	265	97	80	59.64	359	131	110	47.36
2021	281	103	86	63.77	398	145	123	49.33
2022	177	65	49	65.29	257	94	74	49.99
2023	132	48	37	67.03	192	70	56	51.60
2024	106	39	29	69.22	154	56	44	53.22
2025	88	32	25	71.90	128	47	38	55.24
2026	76	28	22	75.06	110	40	33	57.53
2027	66	24	20	76.66	96	35	29	58.74
2028	56	21	17	78.29	82	30	25	60.24
2029	50	18	15	79.86	73	27	22	61.45
2030	45	17	14	81.46	66	24	20	62.68
Sub.		515	410	66.60		723	592	52.18
Rem.		51	43	85.35		73	62	65.70
Tot.		566	453	68.28		796	654	53.42

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process. M\$	Net Revenue After Royalty M\$	Operating Expenses		
	Working Interest				Royalty Interest Total M\$	Company Interest Total M\$	Pre-Processing		Royalty				Fixed M\$	Variable M\$	Total M\$
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$			Crown M\$	Other M\$	Crown M\$	Other M\$					
2019	1,193	0	0	1,193	0	1,193	257	92	0	0	349	844	450	111	561
2020	5,635	423	140	6,197	0	6,197	573	484	17	17	1,023	5,175	609	639	1,248
2021	6,346	627	199	7,172	0	7,172	621	520	21	20	1,100	6,072	747	730	1,477
2022	4,075	465	148	4,688	0	4,688	731	345	20	14	1,042	3,646	762	482	1,244
2023	3,116	380	114	3,611	0	3,611	556	268	16	11	797	2,813	664	367	1,031
2024	2,582	315	95	2,991	0	2,991	470	222	14	9	670	2,321	677	301	978
2025	2,230	272	82	2,584	0	2,584	367	192	11	8	541	2,043	691	255	946
2026	1,996	239	73	2,308	0	2,308	294	172	9	7	450	1,857	704	223	928
2027	1,781	213	65	2,060	0	2,060	222	154	6	6	363	1,697	718	199	918
2028	1,557	182	56	1,795	0	1,795	183	133	5	5	306	1,489	673	172	845
2029	1,418	166	51	1,634	0	1,634	156	121	5	5	268	1,367	686	157	843
2030	1,301	152	47	1,500	0	1,500	135	111	4	4	238	1,262	700	144	844
Sub.	33,231	3,434	1,068	37,733	0	37,733	4,566	2,815	128	105	7,148	30,585	8,080	3,782	11,862
Rem.	4,177	487	149	4,813	0	4,813	398	356	13	14	728	4,085	2,874	462	3,336
Tot.	37,407	3,921	1,218	42,546	0	42,546	4,964	3,171	140	119	7,875	34,671	10,955	4,244	15,198
Disc	23,174	2,302	720	26,195	0	26,195	3,119	1,957	86	72	4,918	21,277	5,480	2,632	8,112

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs M\$	Oper. Income M\$	Net Capital Investment				Before Tax Cash Flow		
								Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	0	0	0	283	0	0	283	273	0	0	273	10	10	10
2020	0	0	0	3,927	0	0	3,927	3,959	0	536	4,495	-568	-558	-482
2021	0	0	0	4,595	0	0	4,595	1,147	0	182	1,329	3,266	2,708	2,091
2022	0	0	0	2,402	0	0	2,402	0	0	0	0	2,402	5,110	3,812
2023	0	0	0	1,783	0	0	1,783	227	0	0	227	1,555	6,665	4,824
2024	0	0	0	1,344	0	0	1,344	0	0	0	0	1,344	8,009	5,620
2025	0	0	0	1,097	0	0	1,097	0	0	0	0	1,097	9,106	6,210
2026	0	0	0	929	0	0	929	0	0	0	0	929	10,035	6,665
2027	0	0	0	779	0	0	779	0	0	0	0	779	10,814	7,011
2028	0	0	0	644	0	0	644	0	0	0	0	644	11,458	7,272
2029	0	0	0	523	0	0	523	0	0	0	0	523	11,981	7,464
2030	0	0	0	418	0	0	418	0	0	0	0	418	12,399	7,604
Sub.	0	0	0	18,723	0	0	18,723	5,606	0	718	6,324	12,399	12,399	7,604
Rem.	0	0	0	749	0	653	96	0	0	0	0	96	12,495	7,709
Tot.	0	0	0	19,472	0	653	18,819	5,606	0	718	6,324	12,495	12,495	7,709
Disc	0	0	0	13,165	0	103	13,061	4,744	0	608	5,352	7,709	7,709	7,709

AFTER TAX ANALYSIS

Year	Tax Pool Balances Incl. Current Year Additions						Depreciation & Writeoffs					
	Oper. Income M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	Total M\$
2019	283	748	1,332	3,220	1,661	6,427	187	133	966	0	0	1,286
2020	3,927	1,096	1,199	6,213	1,661	6,463	207	120	1,864	0	1,736	3,927
2021	4,595	1,071	1,079	5,496	1,661	4,764	245	108	1,649	0	2,593	4,595
2022	2,402	826	971	3,847	1,661	2,206	207	97	1,154	0	944	2,402
2023	1,783	620	874	2,920	1,661	1,299	155	87	876	0	664	1,783
2024	1,344	465	787	2,044	1,661	634	116	79	613	0	535	1,344
2025	1,097	349	708	1,431	1,661	99	87	71	429	411	99	1,097
2026	929	261	637	1,002	1,250	0	65	64	301	500	0	929
2027	779	196	573	701	750	0	49	57	210	462	0	779
2028	644	147	516	491	288	0	37	52	147	288	0	524
2029	523	110	465	344	0	0	28	46	103	0	0	177
2030	418	83	418	241	0	0	21	42	72	0	0	135
Sub.	18,723	83	418	241	0	0	1,403	956	8,385	1,661	6,571	18,976
Rem.	96	83	418	241	0	0	57	230	162	0	0	449
Tot.	18,819	83	418	241	0	0	1,460	1,186	8,546	1,661	6,571	19,426
Disc	13,061						1,015	688	6,231	788	5,027	13,749

AFTER TAX ANALYSIS

Year	Federal		Provincial		ARTD & Investment Credits	Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
	Taxable Income M\$	Tax Rate %	Income Tax M\$	Tax Rate %			Annual M\$	Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	-1,003	15.0	0	12.0	0	0	10	10	10	10	10	10
2020	0	15.0	0	12.0	0	0	-568	-558	-482	-568	-558	-482
2021	0	15.0	0	12.0	0	0	3,266	2,708	2,091	3,266	2,708	2,091
2022	0	15.0	0	12.0	0	0	2,402	5,110	3,812	2,402	5,110	3,812
2023	0	15.0	0	12.0	0	0	1,555	6,665	4,824	1,555	6,665	4,824
2024	0	15.0	0	12.0	0	0	1,344	8,009	5,620	1,344	8,009	5,620
2025	0	15.0	0	12.0	0	0	1,097	9,106	6,210	1,097	9,106	6,210
2026	0	15.0	0	12.0	0	0	929	10,035	6,665	929	10,035	6,665
2027	0	15.0	0	12.0	0	0	779	10,814	7,011	779	10,814	7,011
2028	120	15.0	0	12.0	0	0	644	11,458	7,272	644	11,458	7,272
2029	346	15.0	0	12.0	0	0	523	11,981	7,464	523	11,981	7,464
2030	283	15.0	0	12.0	0	0	418	12,399	7,604	418	12,399	7,604
Sub.	-253		0		0	0	12,399	12,399	7,604	12,399	12,399	7,604
Rem.	-354		19		15	33	96	12,495	7,709	62	12,461	7,701
Tot.	-607		19		15	0	33	12,495	7,709	12,461	12,461	7,701
Disc	-688		5		4	0	9	7,709	7,709	7,709	7,701	7,701

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)			
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life	
Tight Oil	Mbbl	546	0	546	438	1.000	546	69	16.0	22.1	3.9	
Shale Gas	MMcf	1,384	0	1,384	1,208	6.000	231	29	16.0	6.8	4.4	
Gas Heat Content	BBtu	1,384	0	1,384	1,208	0.000	0	0	16.0	6.8	4.4	
Condensate	Mbbl	8	0	8	6	1.000	8	1	16.0	6.8	4.4	
Butane	Mbbl	8	0	8	6	1.000	8	1	16.0	6.8	4.4	
Propane	Mbbl	5	0	5	3	1.000	5	1	16.0	6.8	4.4	
Total: NGL	Mbbl	20	0	20	15	1.000	20	3	16.0	6.8	4.4	
Total: Oil+NGL	Mbbl	566	0	566	453	1.000	566	71	16.0	22.9	3.9	
Total: Oil Eq.	Mboe	796	0	796	654	1.000	796	100	16.0	32.3	4.1	

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	30,078	87	18,575	87
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,627	10	2,133	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	512	1	305	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320	1	185	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134	0	79	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	966	3	569	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	31,044	90	19,144	90
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	14.13	22.72	0.00	11.49	34,671	100	21,277	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)				Net Present Value Before Income Tax					Net Present Value After Income Tax				
				Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow	Operating Income M\$	Capital Invest. M\$	Cash Flow		
	Initial	Average						M\$	\$/boe			M\$	\$/boe
Crown Royalty	21.5106	11.6677	0	19,472	18,819	6,324	12,495	15.69	18,786	6,324	12,461	15.65	
Non-crown Royalty	7.7219	7.4520	5	15,781	15,528	5,803	9,726	12.21	15,512	5,803	9,709	12.19	
Mineral Tax	0.0000	0.0000	8	14,112	13,965	5,525	8,441	10.60	13,954	5,525	8,430	10.58	
			10	13,165	13,061	5,352	7,709	9.68	13,052	5,352	7,701	9.67	
			12	12,324	12,251	5,188	7,063	8.87	12,244	5,188	7,057	8.86	
			15	11,230	11,186	4,958	6,228	7.82	11,181	4,958	6,224	7.81	
			20	9,751	9,730	4,611	5,119	6.43	9,728	4,611	5,117	6.42	

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:04

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Probable**
 Development Class: **Total**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	1	0	0	48.33	0	0	0	0.00	0	0	0	0.00
2020	0	16	6	5	60.02	37	13	12	2.07	0	0	0	74.12
2021	4	161	59	50	64.14	314	114	100	2.44	2	1	1	78.34
2022	4	226	82	69	65.56	616	225	197	2.66	3	1	1	80.19
2023	4	134	49	39	67.30	366	134	117	2.91	2	1	1	82.39
2024	4	101	37	29	69.50	279	102	89	2.99	2	1	0	84.78
2025	4	84	31	24	72.20	230	84	73	3.10	1	0	0	87.70
2026	4	72	26	20	75.39	200	73	63	3.17	1	0	0	91.12
2027	4	64	23	18	76.99	178	65	57	3.24	1	0	0	92.95
2028	4	60	22	18	78.63	171	62	55	3.30	1	0	0	94.82
2029	4	55	20	16	80.20	157	57	50	3.37	1	0	0	96.72
2030	4	51	19	15	81.81	145	53	47	3.43	1	0	0	98.66
Sub.			375	304	70.18		982	859	2.93		5	4	85.85
Rem.			174	143	91.34		480	421	3.83		3	2	110.07
Tot.			548	447	76.88		1,463	1,280	3.23		8	6	93.80

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	0	0	0	32.56	0	0	0	27.29	1	0	0	47.33
2021	2	1	1	42.65	1	0	0	31.48	5	2	1	53.80
2022	3	1	1	51.73	2	1	1	33.81	9	3	3	58.54
2023	2	1	1	53.06	1	0	0	36.36	5	2	2	60.49
2024	2	1	0	54.72	1	0	0	37.51	4	1	1	62.31
2025	1	0	0	56.73	1	0	0	38.91	3	1	1	64.53
2026	1	0	0	59.09	1	0	0	40.57	3	1	1	67.13
2027	1	0	0	60.34	1	0	0	41.43	3	1	1	68.52
2028	1	0	0	61.61	1	0	0	42.30	2	1	1	69.93
2029	1	0	0	62.85	1	0	0	43.15	2	1	1	71.33
2030	1	0	0	64.10	0	0	0	44.01	2	1	1	72.76
Sub.		5	4	54.39		3	3	37.25		14	11	62.54
Rem.		3	2	71.52		2	1	49.11		7	6	81.18
Tot.		8	7	60.01		5	4	41.14		21	17	68.66

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019		1	0	0	48.33	1	0	48.33
2020		16	6	5	59.61	22	7	46.77
2021		166	60	52	63.86	218	68	52.06
2022		235	86	72	65.30	337	105	50.30
2023		139	51	41	67.04	200	60	51.91
2024		105	38	30	69.23	152	45	53.55
2025		87	32	25	71.91	125	37	55.58
2026		75	27	21	75.07	108	31	57.88
2027		67	24	19	76.67	97	29	59.10
2028		63	23	18	78.29	91	27	60.06
2029		58	21	17	79.86	84	25	61.25
2030		53	20	16	81.45	78	24	62.47
Sub.			389	315	69.90		458	54.40
Rem.			181	149	90.94		219	70.07
Tot.			569	464	76.57		813	59.42

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$			
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$			Fixed M\$	Variable M\$	Total M\$
2019	12	0	0	12	0	12	5	1	0	0	6	7	0	1	1
2020	347	28	9	384	0	384	35	32	1	1	64	320	0	40	40
2021	3,772	280	89	4,141	0	4,141	308	296	8	9	587	3,553	88	394	482
2022	5,406	599	190	6,195	0	6,195	532	443	17	18	942	5,253	267	632	900
2023	3,283	389	117	3,788	0	3,788	457	270	12	11	705	3,084	273	382	655
2024	2,573	305	92	2,969	0	2,969	398	212	10	8	592	2,377	278	296	574
2025	2,203	260	78	2,542	0	2,542	366	182	9	7	531	2,011	284	249	533
2026	1,990	231	71	2,292	0	2,292	359	164	9	6	508	1,783	289	220	510
2027	1,808	210	64	2,082	0	2,082	284	149	7	6	421	1,661	295	200	495
2028	1,736	206	63	2,005	0	2,005	249	145	6	6	383	1,623	361	193	555
2029	1,620	192	59	1,871	0	1,871	220	135	6	5	344	1,527	369	180	549
2030	1,534	182	56	1,772	0	1,772	200	128	5	5	318	1,454	376	171	547
Sub.	26,284	2,882	887	30,053	0	30,053	3,413	2,158	90	81	5,400	24,653	2,881	2,961	5,841
Rem.	15,853	1,839	563	18,255	0	18,255	1,766	1,325	51	50	2,990	15,265	8,637	1,750	10,387
Tot.	42,137	4,720	1,450	48,308	0	48,308	5,179	3,483	141	131	8,391	39,918	11,518	4,711	16,228
Disc	18,798	2,041	630	21,469	0	21,469	2,303	1,545	62	57	3,728	17,741	3,016	2,111	5,127

Year	Aband. & Recl. Costs										Net Capital Investment				Before Tax Cash Flow		
	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Recl. Costs M\$	Oper. Income M\$	Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$			
2019	0	0	0	5	0	0	5	0	0	0	0	5	5	5			
2020	0	0	0	280	0	0	280	0	0	0	0	280	285	247			
2021	0	0	0	3,071	0	0	3,071	5,735	0	910	6,646	-3,575	-3,290	-2,569			
2022	0	0	0	4,354	0	0	4,354	0	0	0	0	4,354	1,064	549			
2023	0	0	0	2,429	0	0	2,429	0	0	0	0	2,429	3,493	2,131			
2024	0	0	0	1,803	0	0	1,803	0	0	0	0	1,803	5,295	3,198			
2025	0	0	0	1,478	0	0	1,478	0	0	0	0	1,478	6,773	3,994			
2026	0	0	0	1,274	0	0	1,274	0	0	0	0	1,274	8,047	4,617			
2027	0	0	0	1,166	0	0	1,166	0	0	0	0	1,166	9,213	5,135			
2028	0	0	0	1,068	0	0	1,068	0	0	0	0	1,068	10,281	5,567			
2029	0	0	0	978	0	0	978	0	0	0	0	978	11,259	5,927			
2030	0	0	0	907	0	0	907	0	0	0	0	907	12,166	6,230			
Sub.	0	0	0	18,812	0	0	18,812	5,735	0	910	6,646	12,166	12,166	6,230			
Rem.	0	0	0	4,878	0	553	4,325	0	0	0	0	4,325	16,491	7,378			
Tot.	0	0	0	23,689	0	553	23,136	5,735	0	910	6,646	16,491	16,491	7,378			
Disc	0	0	0	12,614	0	-1	12,615	4,519	0	717	5,237	7,378	7,378	7,378			

AFTER TAX ANALYSIS

Year	Tax Pool Balances Incl. Current Year Additions						Depreciation & Writeoffs					
	Oper. Income M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	Total M\$
2019	5	0	0	0	0	0	0	0	0	0	0	0
2020	280	0	0	0	0	0	0	0	0	0	280	280
2021	3,071	910	0	5,735	0	-280	114	0	1,721	0	1,237	3,071
2022	4,354	797	0	4,015	0	-1,516	199	0	1,204	1,661	-254	2,811
2023	2,429	597	0	2,810	-1,661	-1,263	149	0	843	0	-628	364
2024	1,803	448	0	1,967	-1,661	-634	112	0	590	0	-535	167
2025	1,478	336	0	1,377	-1,661	-99	84	0	413	-411	-99	-12
2026	1,274	252	0	964	-1,250	0	63	0	289	-500	0	-148
2027	1,166	189	0	675	-750	0	47	0	202	-462	0	-213
2028	1,068	142	0	472	-288	0	35	0	142	-288	0	-111
2029	978	106	0	331	0	0	27	0	99	0	0	126
2030	907	80	0	231	0	0	20	0	69	0	0	89
Sub.	18,812	80	0	231	0	0	851	0	5,573	0	0	6,424
Rem.	4,325	80	0	231	0	0	63	68	167	0	0	298
Tot.	23,136	80	0	231	0	0	913	68	5,740	0	0	6,722
Disc	12,615						538	7	3,729	402	256	4,932

AFTER TAX ANALYSIS

Year	Federal			Provincial			ARTD & Investment Credits	Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
	Taxable Income M\$	Tax Rate %	Income Tax M\$	Tax Rate %	Income Tax M\$	Annual M\$			Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$	
2019	5	15.0	0	12.0	0	0	0	5	5	5	5	5	5	
2020	0	15.0	0	12.0	0	0	0	280	285	247	280	285	247	
2021	0	15.0	0	12.0	0	0	0	-3,575	-3,290	-2,569	-3,575	-3,290	-2,569	
2022	1,543	15.0	82	12.0	65	0	147	4,354	1,064	549	4,206	917	444	
2023	2,065	15.0	310	12.0	248	0	557	2,429	3,493	2,131	1,871	2,788	1,663	
2024	1,636	15.0	245	12.0	196	0	442	1,803	5,295	3,198	1,361	4,149	2,468	
2025	1,490	15.0	224	12.0	179	0	402	1,478	6,773	3,994	1,075	5,224	3,047	
2026	1,421	15.0	213	12.0	171	0	384	1,274	8,047	4,617	890	6,114	3,482	
2027	1,378	15.0	207	12.0	165	0	372	1,166	9,213	5,135	794	6,908	3,835	
2028	1,179	15.0	195	12.0	156	0	351	1,068	10,281	5,567	717	7,625	4,126	
2029	852	15.0	180	12.0	144	0	324	978	11,259	5,927	654	8,280	4,366	
2030	818	15.0	165	12.0	132	0	297	907	12,166	6,230	610	8,890	4,570	
Sub.	12,388		1,820		1,456	0	3,276	12,166	12,166	6,230	8,890	8,890	4,570	
Rem.	4,027		711		569	0	1,280	4,325	16,491	7,378	3,045	11,935	5,409	
Tot.	16,414		2,531		2,025	0	4,556	16,491	16,491	7,378	11,935	11,935	5,409	
Disc	7,683		1,094		876	0	1,970	7,378	7,378	7,378	5,409	5,409	5,409	

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)			
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life	
Tight Oil	Mbbl	548	0	548	447	1.000	548	67	22.0	999.9	7.4	
Shale Gas	MMcf	1,463	0	1,463	1,280	6.000	244	30	22.0	109.2	7.8	
Gas Heat Content	BBtu	1,463	0	1,463	1,280	0.000	0	0	22.0	109.2	7.8	
Condensate	Mbbl	8	0	8	6	1.000	8	1	22.0	109.2	7.8	
Butane	Mbbl	8	0	8	7	1.000	8	1	22.0	109.2	7.8	
Propane	Mbbl	5	0	5	4	1.000	5	1	22.0	109.2	7.8	
Total: NGL	Mbbl	21	0	21	17	1.000	21	3	22.0	109.2	7.8	
Total: Oil+NGL	Mbbl	569	0	569	464	1.000	569	70	22.0	999.9	7.4	
Total: Oil Eq.	Mboe	813	0	813	677	1.000	813	100	22.0	999.9	7.5	

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 M\$	% of Total	10% Disc M\$	% of Total	
Tight Oil	\$/bbl	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	34,362	86	15,335	86	
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,344	11	1,879	11	
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	634	2	278	2	
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	412	1	178	1	
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165	0	72	0	
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,211	3	528	3	
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	35,573	89	15,862	89	
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	22.95	4.50	0.00	20.88	39,918	100	17,741	100	

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)	Net Present Value Before Income Tax							Net Present Value After Income Tax				
	Disc. Rate %		Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow		Operating Income M\$	Capital Invest. M\$	Cash Flow		
	Initial	Average				M\$	\$/boe			M\$	\$/boe	
Crown Royalty	39.4254	10.7215	0	23,689	23,136	6,646	16,491	20.28	18,580	6,646	11,935	14.68
Non-crown Royalty	8.0594	7.2097	5	16,800	16,712	5,882	10,830	13.32	13,797	5,882	7,915	9.74
Mineral Tax	0.0000	0.0000	8	14,065	14,047	5,482	8,565	10.53	11,756	5,482	6,274	7.72
			10	12,614	12,615	5,237	7,378	9.08	10,645	5,237	5,409	6.65
			12	11,389	11,398	5,006	6,392	7.86	9,692	5,006	4,686	5.76
			15	9,878	9,890	4,686	5,204	6.40	8,498	4,686	3,812	4.69
			20	7,981	7,990	4,213	3,777	4.65	6,971	4,213	2,758	3.39

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:04

Company: **Drakkar Energy Ltd.**
 Property: **Corporate**
 Description: **After Tax Analysis**

Reserve Class: **Proved Plus Probable**
 Development Class: **Total**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Year	Company Oil Wells	Tight Oil Production				Shale Gas Production				Condensate Production			
		Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily Mcf/d	Company Yearly MMcf	Net Yearly MMcf	Price \$/Mcf	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	2	68	25	18	48.33	0	0	0	0.00	0	0	0	0.00
2020	5	273	100	82	60.02	596	218	190	2.07	3	1	1	74.12
2021	9	432	158	133	64.14	1,017	371	325	2.44	6	2	2	78.34
2022	9	396	145	117	65.56	1,094	399	349	2.66	6	2	2	80.19
2023	9	261	95	74	67.30	724	264	230	2.91	4	1	1	82.39
2024	9	203	74	57	69.50	567	207	180	2.99	3	1	1	84.78
2025	9	168	61	48	72.20	471	172	149	3.10	3	1	1	87.70
2026	9	145	53	41	75.39	406	148	129	3.17	2	1	1	91.12
2027	9	128	47	37	76.99	358	131	115	3.24	2	1	1	92.95
2028	9	115	42	34	78.63	322	118	103	3.30	2	1	1	94.82
2029	9	104	38	31	80.20	292	106	93	3.37	2	1	0	96.72
2030	9	95	35	28	81.81	267	97	85	3.43	1	1	0	98.66
Sub.			872	700	68.29		2,231	1,948	2.83		12	9	84.40
Rem.			222	184	90.10		616	540	3.78		3	3	108.60
Tot.			1,094	885	72.72		2,847	2,487	3.04		16	12	89.63

Year	Butane Production				Propane Production				Natural Gas Liquids Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl
2019	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
2020	3	1	1	32.56	2	1	1	27.29	9	3	2	47.33
2021	6	2	2	42.65	3	1	1	31.48	15	5	4	53.80
2022	6	2	2	51.73	4	1	1	33.81	16	6	4	58.54
2023	4	1	1	53.06	2	1	1	36.36	10	4	3	60.49
2024	3	1	1	54.72	2	1	0	37.51	8	3	2	62.31
2025	3	1	1	56.73	2	1	0	38.91	7	2	2	64.53
2026	2	1	1	59.09	1	0	0	40.57	6	2	2	67.13
2027	2	1	1	60.34	1	0	0	41.43	5	2	1	68.52
2028	2	1	1	61.61	1	0	0	42.30	5	2	1	69.93
2029	2	1	0	62.85	1	0	0	43.15	4	2	1	71.33
2030	1	1	0	64.10	1	0	0	44.01	4	1	1	72.76
Sub.		12	10	51.76		7	6	36.06		32	25	60.69
Rem.		3	3	70.57		2	2	48.45		9	7	80.09
Tot.		16	12	55.82		9	7	38.74		41	32	64.88

Year	Oil + Liquids Production				Oil Equivalent Production			
	Company Daily bbl/d	Company Yearly Mbbl	Net Yearly Mbbl	Price \$/bbl	Company Daily boe/d	Company Yearly Mboe	Net Yearly Mboe	Price \$/boe
2019	68	25	18	48.33	68	25	18	48.33
2020	282	103	85	59.64	381	139	117	47.32
2021	447	163	137	63.80	616	225	192	50.29
2022	412	150	121	65.29	594	217	179	50.17
2023	271	99	77	67.04	392	143	116	51.76
2024	211	77	59	69.22	306	112	89	53.39
2025	175	64	49	71.90	253	93	74	55.41
2026	151	55	43	75.07	218	80	64	57.70
2027	133	49	39	76.66	193	70	58	58.92
2028	119	44	35	78.29	173	63	52	60.14
2029	108	39	32	79.86	157	57	48	61.34
2030	99	36	30	81.45	143	52	44	62.57
Sub.		904	725	68.02		1,276	1,050	53.14
Rem.		231	191	89.72		334	281	69.11
Tot.		1,135	916	72.44		1,609	1,331	56.45

REVENUE AND EXPENSE FORECAST

Year	Revenue Before Burdens						Royalty Burdens		Gas Processing Allowance		Total Royalty After Process.	Net Revenue After Royalty	Operating Expenses		
	Working Interest				Royalty Interest	Company Interest	Pre-Processing				M\$	M\$			
	Oil M\$	Gas M\$	NGL+Sul M\$	Total M\$	Total M\$	Total M\$	Crown M\$	Other M\$	Crown M\$	Other M\$			Fixed M\$	Variable M\$	Total M\$
2019	1,205	0	0	1,205	0	1,205	262	93	0	0	355	851	450	112	562
2020	5,982	450	149	6,581	0	6,581	607	515	18	18	1,087	5,494	609	679	1,288
2021	10,118	907	288	11,313	0	11,313	929	816	29	29	1,687	9,626	835	1,125	1,960
2022	9,481	1,064	338	10,883	0	10,883	1,263	789	37	32	1,984	8,899	1,030	1,114	2,144
2023	6,399	769	231	7,399	0	7,399	1,014	538	28	21	1,502	5,897	937	749	1,686
2024	5,155	620	186	5,961	0	5,961	869	434	24	17	1,262	4,698	955	597	1,552
2025	4,433	532	160	5,126	0	5,126	733	374	20	15	1,072	4,053	974	505	1,479
2026	3,986	469	144	4,599	0	4,599	653	336	18	13	959	3,640	994	444	1,437
2027	3,589	424	129	4,142	0	4,142	506	303	13	12	784	3,358	1,014	399	1,413
2028	3,293	388	119	3,800	0	3,800	432	278	11	11	688	3,112	1,034	366	1,400
2029	3,038	358	110	3,506	0	3,506	376	257	10	10	612	2,894	1,055	337	1,392
2030	2,835	334	102	3,272	0	3,272	335	240	9	9	556	2,716	1,076	315	1,391
Sub.	59,515	6,315	1,956	67,786	0	67,786	7,979	4,973	218	186	12,548	55,238	10,961	6,742	17,703
Rem.	20,030	2,326	712	23,068	0	23,068	2,164	1,680	63	63	3,718	19,350	11,511	2,212	13,723
Tot.	79,545	8,641	2,668	90,854	0	90,854	10,144	6,653	281	250	16,266	74,588	22,472	8,955	31,427
Disc	41,972	4,343	1,349	47,664	0	47,664	5,422	3,502	148	130	8,646	39,018	8,496	4,743	13,240

Year	Mineral Tax M\$	Capital Tax M\$	NPI Burden M\$	Net Prod'n Revenue M\$	Other Income M\$	Aband. & Recl. Costs		Net Capital Investment				Before Tax Cash Flow			
						Oper. Income M\$		Dev. M\$	Plant M\$	Tang. M\$	Total M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$	
2019	0	0	0	289	0	0	289	273	0	0	273	16	16	15	
2020	0	0	0	4,206	0	0	4,206	3,959	0	536	4,495	-288	-273	-235	
2021	0	0	0	7,666	0	0	7,666	6,882	0	1,092	7,975	-309	-581	-478	
2022	0	0	0	6,755	0	0	6,755	0	0	0	0	6,755	6,174	4,361	
2023	0	0	0	4,211	0	0	4,211	227	0	0	227	3,984	10,158	6,956	
2024	0	0	0	3,146	0	0	3,146	0	0	0	0	3,146	13,304	8,818	
2025	0	0	0	2,574	0	0	2,574	0	0	0	0	2,574	15,879	10,204	
2026	0	0	0	2,203	0	0	2,203	0	0	0	0	2,203	18,082	11,282	
2027	0	0	0	1,945	0	0	1,945	0	0	0	0	1,945	20,027	12,147	
2028	0	0	0	1,712	0	0	1,712	0	0	0	0	1,712	21,739	12,839	
2029	0	0	0	1,501	0	0	1,501	0	0	0	0	1,501	23,240	13,391	
2030	0	0	0	1,325	0	0	1,325	0	0	0	0	1,325	24,565	13,834	
Sub.	0	0	0	37,535	0	0	37,535	11,342	0	1,628	12,970	24,565	24,565	13,834	
Rem.	0	0	0	5,627	0	1,206	4,421	0	0	0	0	4,421	28,986	15,088	
Tot.	0	0	0	43,162	0	1,206	41,955	11,342	0	1,628	12,970	28,986	28,986	15,088	
Disc	0	0	0	25,779	0	103	25,676	9,263	0	1,325	10,588	15,088	15,088	15,088	

AFTER TAX ANALYSIS

Year	Tax Pool Balances Incl. Current Year Additions						Depreciation & Writeoffs					
	Oper. Income M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	CCA M\$	COGPE M\$	CDE M\$	CEE M\$	Other M\$	Total M\$
2019	289	748	1,332	3,220	1,661	6,427	187	133	966	0	0	1,286
2020	4,206	1,096	1,199	6,213	1,661	6,463	207	120	1,864	0	2,015	4,206
2021	7,666	1,981	1,079	11,231	1,661	4,484	359	108	3,369	0	3,830	7,666
2022	6,755	1,623	971	7,862	1,661	690	406	97	2,359	1,661	690	5,212
2023	4,211	1,217	874	5,731	0	36	304	87	1,719	0	36	2,147
2024	3,146	913	787	4,011	0	0	228	79	1,203	0	0	1,510
2025	2,574	685	708	2,808	0	0	171	71	842	0	0	1,084
2026	2,203	513	637	1,966	0	0	128	64	590	0	0	782
2027	1,945	385	573	1,376	0	0	96	57	413	0	0	566
2028	1,712	289	516	963	0	0	72	52	289	0	0	413
2029	1,501	217	465	674	0	0	54	46	202	0	0	303
2030	1,325	162	418	472	0	0	41	42	142	0	0	224
Sub.	37,535	162	418	472	0	0	2,254	956	13,958	1,661	6,571	25,400
Rem.	4,421	162	418	472	0	0	120	299	329	0	0	748
Tot.	41,955	162	418	472	0	0	2,374	1,255	14,287	1,661	6,571	26,148
Disc	25,676						1,554	696	9,960	1,190	5,283	18,681

AFTER TAX ANALYSIS

Year	Federal			Provincial			Income Tax Payable M\$	Net Cash Flow Before Income Tax			Net Cash Flow After Income Tax		
	Taxable Income M\$	Tax Rate %	Income Tax M\$	Tax Rate %	Income Tax M\$	ARTD & Investment Credits		Annual M\$	Cum. M\$	10.0% Dcf M\$	Annual M\$	Cum. M\$	10.0% Dcf M\$
2019	-997	15.0	0	12.0	0	0	0	16	16	15	16	16	15
2020	0	15.0	0	12.0	0	0	0	-288	-273	-235	-288	-273	-235
2021	0	15.0	0	12.0	0	0	0	-309	-581	-478	-309	-581	-478
2022	1,543	15.0	82	12.0	65	0	147	6,755	6,174	4,361	6,608	6,027	4,255
2023	2,065	15.0	310	12.0	248	0	557	3,984	10,158	6,956	3,427	9,453	6,487
2024	1,636	15.0	245	12.0	196	0	442	3,146	13,304	8,818	2,704	12,158	8,088
2025	1,490	15.0	224	12.0	179	0	402	2,574	15,879	10,204	2,172	14,330	9,257
2026	1,421	15.0	213	12.0	171	0	384	2,203	18,082	11,282	1,819	16,149	10,147
2027	1,378	15.0	207	12.0	165	0	372	1,945	20,027	12,147	1,573	17,722	10,847
2028	1,299	15.0	195	12.0	156	0	351	1,712	21,739	12,839	1,361	19,083	11,397
2029	1,199	15.0	180	12.0	144	0	324	1,501	23,240	13,391	1,178	20,261	11,830
2030	1,101	15.0	165	12.0	132	0	297	1,325	24,565	13,834	1,028	21,289	12,174
Sub.	12,135		1,820		1,456	0	3,276	24,565	24,565	13,834	21,289	21,289	12,174
Rem.	3,673		730		584	0	1,313	4,421	28,986	15,088	3,107	24,396	13,109
Tot.	15,808		2,550		2,040	0	4,590	28,986	28,986	15,088	24,396	24,396	13,109
Disc	6,995		1,099		879	0	1,978	15,088	15,088	15,088	13,109	13,109	13,109

SUMMARY OF RESERVES

Product	Units	Remaining Reserves at Jan 01, 2019				Oil Equivalents			Reserve Life Indic. (yr)		
		Working Interest	Roy/NPI Interest	Total Company	Net	Oil Eq. Factor	Company Mboe	% of Total	Reserve Life	Life Index	Half Life
Tight Oil	Mbbl	1,094	0	1,094	885	1.000	1,094	68	22.0	43.9	5.3
Shale Gas	MMcf	2,847	0	2,847	2,487	6.000	474	29	22.0	13.1	5.8
Gas Heat Content	BBtu	2,847	0	2,847	2,487	0.000	0	0	22.0	13.1	5.8
Condensate	Mbbl	16	0	16	12	1.000	16	1	22.0	13.1	5.8
Butane	Mbbl	16	0	16	12	1.000	16	1	22.0	13.1	5.8
Propane	Mbbl	9	0	9	7	1.000	9	1	22.0	13.1	5.8
Total: NGL	Mbbl	41	0	41	32	1.000	41	3	22.0	13.1	5.8
Total: Oil+NGL	Mbbl	1,135	0	1,135	916	1.000	1,135	71	22.0	45.5	5.4
Total: Oil Eq.	Mboe	1,609	0	1,609	1,331	1.000	1,609	100	22.0	64.5	5.5

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 M\$	% of Total	10% Disc M\$	% of Total
Tight Oil	\$/bbl	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	64,440	86	33,910	87
Shale Gas	\$/Mcf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,971	11	4,012	10
Condensate	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,146	2	583	1
Butane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	732	1	363	1
Propane	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	298	0	151	0
Total: NGL	\$/bbl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,177	3	1,096	3
Total: Oil+NGL	\$/bbl	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	66,617	89	35,006	90
Total: Oil Eq.	\$/boe	63.33	-15.00	48.33	14.22	22.53	0.00	11.58	74,588	100	39,018	100

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

Revenue Burdens (%)			Net Present Value Before Income Tax						Net Present Value After Income Tax			
			Disc. Rate %	Prod'n Revenue M\$	Operating Income M\$	Capital Invest. M\$	Cash Flow		Operating Income M\$	Capital Invest. M\$	Cash Flow	
							M\$	\$/boe			M\$	\$/boe
	Initial	Average										
Crown Royalty	21.6960	11.1646	0	43,162	41,955	12,970	28,986	18.01	37,366	12,970	24,396	15.16
Non-crown Royalty	7.7254	7.3232	5	32,581	32,241	11,685	20,555	12.77	29,309	11,685	17,624	10.95
Mineral Tax	0.0000	0.0000	8	28,177	28,012	11,007	17,005	10.57	25,710	11,007	14,703	9.14
			10	25,779	25,676	10,588	15,088	9.37	23,698	10,588	13,109	8.15
			12	23,714	23,649	10,194	13,455	8.36	21,936	10,194	11,743	7.30
			15	21,109	21,076	9,643	11,432	7.10	19,679	9,643	10,036	6.24
			20	17,732	17,721	8,824	8,897	5.53	16,699	8,824	7,875	4.89

Evaluator: Lee, Nina
Run Date: June 27, 2019 22:28:04

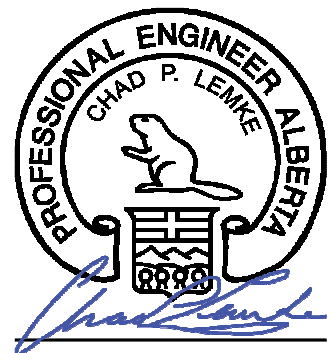
APPENDIX I
CERTIFICATES OF QUALIFICATION

Chad P. Lemke
Nina Lee
Sarah C. Taylor

CERTIFICATION OF QUALIFICATION

I, Chad P. Lemke, Professional Engineer, 4100, 400 - 3rd Avenue S.W., Calgary, Alberta, Canada hereby certify:

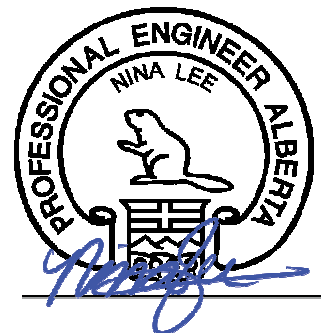
1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of the Girouxville property of Drakkar Energy Ltd. (the "Company"). The effective date of this evaluation is December 31, 2018.
2. That I do not have, nor do I expect to receive any direct or indirect 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 2004; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of sixteen years of experience in engineering studies relating to 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.



CERTIFICATION OF QUALIFICATION

I, Nina Lee, 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 the Girouxville property of Drakkar Energy Ltd. (the "Company"). The effective date of this evaluation is December 31, 2018.
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 2003; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of fifteen years of experience in engineering studies relating to 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.



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 the Girouxville property of Drakkar Energy Ltd. (the "Company"). The effective date of this evaluation is December 31, 2018.
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 sixteen years of experience in geological studies relating to 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.

