

**PARK PLACE ENERGY INC.
RESERVES ASSESSMENT AND
EVALUATION OF
TURKISH OIL PROPERTIES
CORPORATE SUMMARY**

Effective December 31, 2018

1192041

CORPORATE SUMMARY

TABLE OF CONTENTS

| | Page |
|---|-------------|
| COVERING LETTER | 3 |
| INDEPENDENT PETROLEUM CONSULTANTS' CONSENT | 4 |
| INTRODUCTION | 5 |
| SUMMARY | 8 |
| RESERVES DEFINITIONS | 33 |
| EVALUATION PROCEDURE | 40 |
| PRODUCT PRICE AND MARKET FORECASTS | 45 |
| CONSTANT PRICE ANALYSIS | 53 |
| SECURITIES REPORTING | 63 |
| AFTER TAX ANALYSIS | 90 |
| APPENDIX I | |
| Certificates of Qualification | 132 |
| APPENDIX II | |
| Cendere | 135 |



February 22, 2019

Project 1192041

Dr. Arthur Halleran, Ph.D.
Park Place Energy Inc.
Suite 700 – 838 West Hastings Street
Vancouver, British Columbia V6C 0A6

Dear Sir:

**Re: Park Place Energy Inc.
Corporate Evaluation
Effective December 31, 2018**

GLJ Petroleum Consultants (GLJ) has completed an independent reserves assessment and evaluation of the Cendere oil property located in Turkey of Park Place Energy Inc. (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 was GLJ’s primary mandate in this evaluation to provide an independent evaluation of the oil and gas reserves of the property in aggregate. Accordingly it may not be appropriate to extract individual entity estimates for other purposes. Our engagement letter notes these limitations on the use of this report.

All values reported herein are in U.S. Dollars.

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 'Patrick A. Olenick'.

Patrick A. Olenick, P. Eng.
Manager, Engineering

PAO/jem
Attachments


INDEPENDENT PETROLEUM CONSULTANTS' CONSENT

The undersigned firm of Independent Petroleum Consultants of Calgary, Alberta, Canada has prepared an independent evaluation of the **Park Place Energy Inc.** (the "Company") Turkish oil properties 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. | |
| Signature: _____ |  |
| Date: _____ | February 22, 2019 |
| PERMIT NUMBER: P 2066 The Association of Professional Engineers and Geoscientists of Alberta | |



INTRODUCTION

GLJ Petroleum Consultants (GLJ) was commissioned by Park Place Energy Inc. (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 February 2019 and completed by February 2019. Estimates of reserves and projections of production were generally prepared using well information and production data provided by the Company to approximately December 31, 2018. The Company also 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 and SEC 2018-Dec-31 Posted (12 Month Avg.) Price Forecasts which are 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 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 report provides 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.

A constant price analysis was performed by rerunning the evaluation database using prices based on the average of the first day posted prices in each of the 12 months of the Company's fiscal year with no cost escalations.

A summary of reference prices and resulting reserves data under the constant pricing scenario are provided in the "Constant Price Analysis" section.

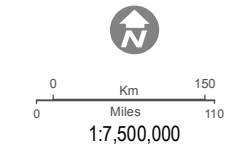
The "Securities Reporting" section of this report provides reserves data in a format that is consistent with the disclosure requirements set out in NI 51-101.

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 Location



Company: Park Place Energy Inc.
Property: Turkey

Effective Date: December 31, 2018
Project: s1192041/cenm01

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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 Undevelope d | Total Proved | Total Probable | Total Proved Plus Probable | Total Possible | Total PPP |
|---|---------------------|--|---------------------------|-----------------|-------------------|-------------------------------------|-------------------|--------------|
| MARKETABLE RESERVES | | | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 223 | 0 | 0 | 223 | 60 | 284 | 58 | 342 |
| Oil Equivalent (Mboe) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 223 | 0 | 0 | 223 | 60 | 284 | 58 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,485 | 0 | 0 | 6,485 | 1,999 | 8,484 | 1,932 | 10,416 |
| 5% | 5,638 | 0 | 0 | 5,638 | 1,433 | 7,072 | 1,267 | 8,338 |
| 8% | 5,220 | 0 | 0 | 5,220 | 1,193 | 6,413 | 1,007 | 7,421 |
| 10% | 4,973 | 0 | 0 | 4,973 | 1,063 | 6,035 | 873 | 6,909 |
| 12% | 4,747 | 0 | 0 | 4,747 | 951 | 5,698 | 763 | 6,461 |
| 15% | 4,444 | 0 | 0 | 4,444 | 813 | 5,258 | 631 | 5,888 |
| 20% | 4,018 | 0 | 0 | 4,018 | 641 | 4,659 | 475 | 5,135 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | | | | | | | |
| 2019 | 1,427 | 0 | 0 | 1,427 | 32 | 1,460 | 19 | 1,478 |
| 2020 | 1,236 | 0 | 0 | 1,236 | 88 | 1,324 | 53 | 1,376 |
| 2021 | 1,004 | 0 | 0 | 1,004 | 121 | 1,125 | 78 | 1,204 |
| 2022 | 795 | 0 | 0 | 795 | 148 | 943 | 94 | 1,036 |
| 2023 | 635 | 0 | 0 | 635 | 172 | 807 | 108 | 916 |
| 2024 | 514 | 0 | 0 | 514 | 169 | 683 | 131 | 814 |

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: February 13, 2019 13:47:25

1192041 Class (A,B1,B2,C,F,I,O,R), GLJ (2019-01), psum

February 13, 2019 13:51:25

Table 2

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

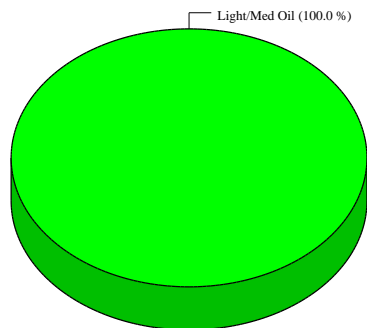
Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **GLJ (2019-01)**
 Effective Date: **December 31, 2018**

Company Production, Reserves and Present Value Summary

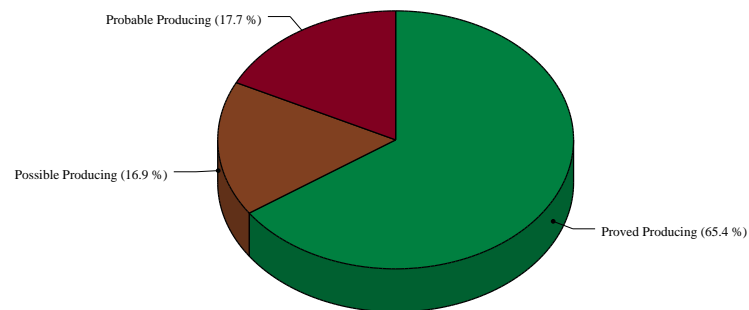
| Entity Description | 2019 Company Interest Prod'n | | | | Company Interest Reserves | | | | | Net After Royalty Reserves | | | | | Reserve Life Index yrs | Before Income Tax Discounted Present Value (M\$) | | | | |
|--|------------------------------|-----------|-----------|---------------|---------------------------|----------|----------|-------------|--------------|----------------------------|----------|----------|-------------|--------------|------------------------|--|-------|-------|-------|-------|
| | 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 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | 5.5 | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |
| Proved Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Proved Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total Proved | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | 5.5 | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |
| Probable Producing | 0 | 2 | 0 | 2 | 0 | 69 | 0 | 0 | 69 | 0 | 60 | 0 | 0 | 60 | 91.5 | 1,999 | 1,433 | 1,193 | 1,063 | 951 |
| Probable Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Probable Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total Probable | 0 | 2 | 0 | 2 | 0 | 69 | 0 | 0 | 69 | 0 | 60 | 0 | 0 | 60 | 91.5 | 1,999 | 1,433 | 1,193 | 1,063 | 951 |
| Proved Plus Probable Producing | 0 | 129 | 0 | 129 | 0 | 324 | 0 | 0 | 324 | 0 | 284 | 0 | 0 | 284 | 6.9 | 8,484 | 7,072 | 6,413 | 6,035 | 5,698 |
| Proved Plus Probable Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Proved Plus Probable Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total Proved Plus Probable | 0 | 129 | 0 | 129 | 0 | 324 | 0 | 0 | 324 | 0 | 284 | 0 | 0 | 284 | 6.9 | 8,484 | 7,072 | 6,413 | 6,035 | 5,698 |
| Total Possible | 0 | 1 | 0 | 1 | 0 | 66 | 0 | 0 | 66 | 0 | 58 | 0 | 0 | 58 | 152.6 | 1,932 | 1,267 | 1,007 | 873 | 763 |
| Total PPP | 0 | 130 | 0 | 130 | 0 | 390 | 0 | 0 | 390 | 0 | 342 | 0 | 0 | 342 | 8.2 | 10,416 | 8,338 | 7,421 | 6,909 | 6,461 |

Reserves Characterization
 Percentage of Total PPP Company Interest BOE Reserves

Product Types



Reserves Classifications



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

Historical and Forecast Production

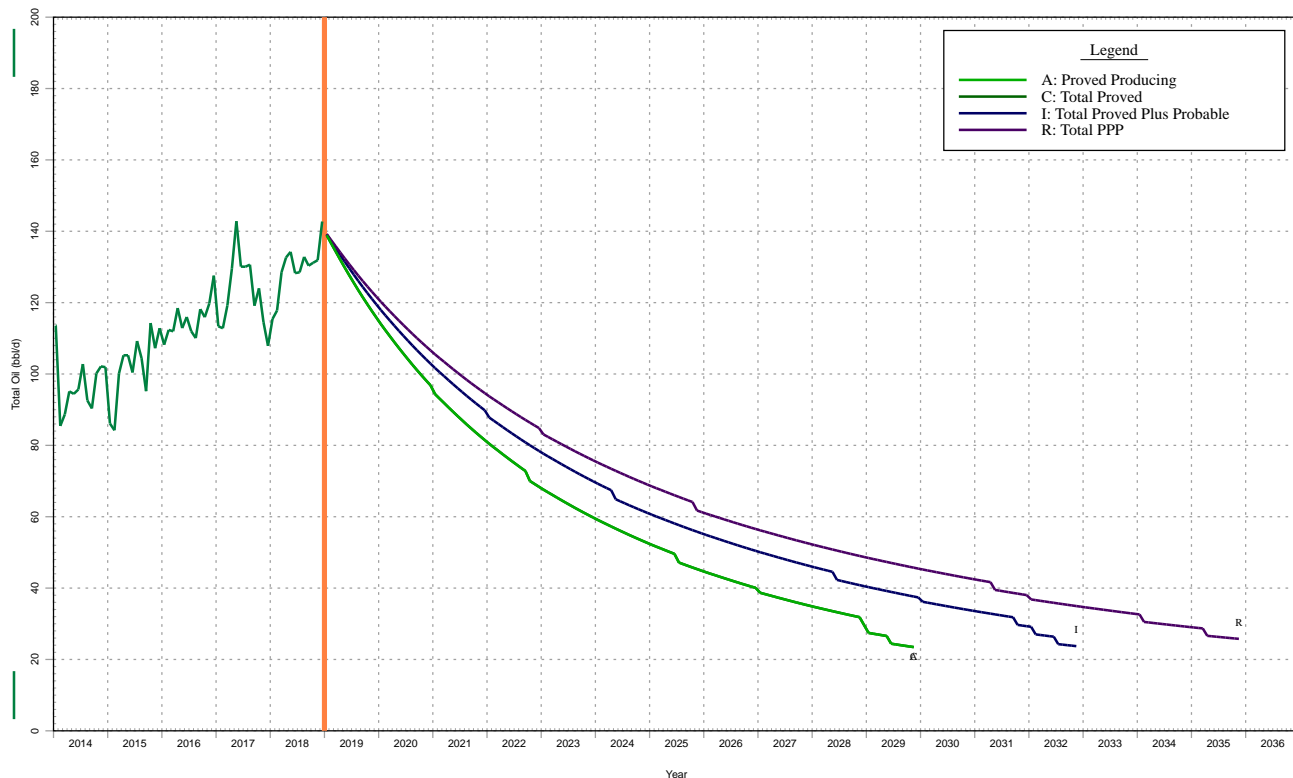
Company:
Property:
Description:

Park Place Energy Inc.
Corporate
Summary

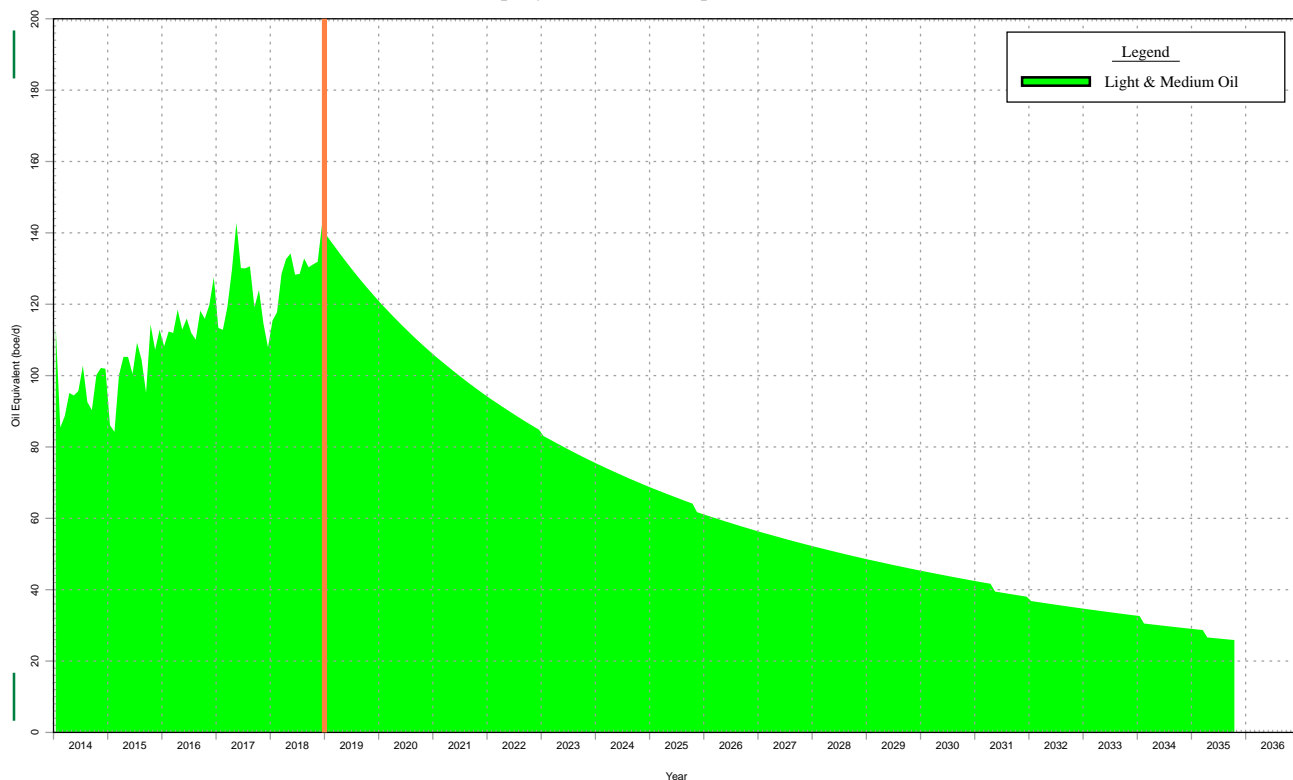
Pricing:
Effective Date:

GLJ (2019-01)
December 31, 2018

Company* Interest Total Oil



Company* Interest Oil Equivalent - Total PPP



*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.

**PROVED RESERVES
TABLE OF CONTENTS**

| | Page |
|---|-------------|
| SUMMARY OF RESERVES AND VALUES | 13 |
| COMPANY PRODUCTION, RESERVES AND PRESENT VALUE SUMMARY | 14 |
| ECONOMIC FORECASTS | |
| Proved Producing | 15 |
| Total Proved | 17 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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 | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | |
| Total Company Interest | 255 | 0 | 0 | 0 | 255 |
| Working Interest | 255 | 0 | 0 | 0 | 255 |
| Net After Royalty | 223 | 0 | 0 | 0 | 223 |
| Oil Equivalent (Mboe) | | | | | |
| Total Company Interest | 255 | 0 | 0 | 0 | 255 |
| Working Interest | 255 | 0 | 0 | 0 | 255 |
| Net After Royalty | 223 | 0 | 0 | 0 | 223 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | |
| 0% | 6,485 | 0 | 0 | 0 | 6,485 |
| 5% | 5,638 | 0 | 0 | 0 | 5,638 |
| 8% | 5,220 | 0 | 0 | 0 | 5,220 |
| 10% | 4,973 | 0 | 0 | 0 | 4,973 |
| 12% | 4,747 | 0 | 0 | 0 | 4,747 |
| 15% | 4,444 | 0 | 0 | 0 | 4,444 |
| 20% | 4,018 | 0 | 0 | 0 | 4,018 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | | | | |
| 2019 | 1,427 | 0 | 0 | 0 | 1,427 |
| 2020 | 1,236 | 0 | 0 | 0 | 1,236 |
| 2021 | 1,004 | 0 | 0 | 0 | 1,004 |
| 2022 | 795 | 0 | 0 | 0 | 795 |
| 2023 | 635 | 0 | 0 | 0 | 635 |
| 2024 | 514 | 0 | 0 | 0 | 514 |

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: February 13, 2019 13:47:24

1192041 Class (A,B1,B2,B,C), GLJ (2019-01), psum

February 13, 2019 13:51:49

Company: **Park Place Energy Inc.**
Property: **Corporate**
Description: **Summary**
\$US Dollars

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 | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | 5.5 | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |
| Total: Proved Producing | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |
| Proved Developed Non-Producing | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total: Proved Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 |
| Proved Undeveloped | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total: Proved Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 |
| Total Proved Non-Producing | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total: Total Proved Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 |
| Total Proved | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | 5.5 | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |
| Total: Total Proved | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 223 | 0 | 0 | 223 | | 6,485 | 5,638 | 5,220 | 4,973 | 4,747 |

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: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 60.72 |
| 2020 | 3 | 105 | 38 | 34 | 65.76 |
| 2021 | 3 | 88 | 32 | 28 | 68.40 |
| 2022 | 3 | 75 | 27 | 24 | 70.08 |
| 2023 | 2 | 64 | 23 | 20 | 72.48 |
| 2024 | 2 | 56 | 20 | 18 | 74.88 |
| 2025 | 2 | 48 | 18 | 15 | 77.28 |
| 2026 | 2 | 42 | 15 | 13 | 80.07 |
| 2027 | 2 | 37 | 13 | 12 | 81.62 |
| 2028 | 2 | 33 | 12 | 11 | 83.19 |
| 2029 | 2 | 25 | 9 | 8 | 84.86 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| 2031 | 0 | 0 | 0 | 0 | 0.00 |
| 2032 | 0 | 0 | 0 | 0 | 0.00 |
| 2033 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 255 | 223 | 70.98 |

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 | | | | | | Fixed | Variable | Total | |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | |
| 2019 | 2,811 | 0 | 0 | 2,811 | 0 | 2,811 | 351 | 0 | 0 | 0 | 351 | 2,460 | 584 | 449 | 1,033 | |
| 2020 | 2,529 | 0 | 0 | 2,529 | 0 | 2,529 | 316 | 0 | 0 | 0 | 316 | 2,213 | 596 | 380 | 976 | |
| 2021 | 2,189 | 0 | 0 | 2,189 | 0 | 2,189 | 274 | 0 | 0 | 0 | 274 | 1,916 | 589 | 323 | 912 | |
| 2022 | 1,911 | 0 | 0 | 1,911 | 0 | 1,911 | 239 | 0 | 0 | 0 | 239 | 1,672 | 596 | 281 | 877 | |
| 2023 | 1,682 | 0 | 0 | 1,682 | 0 | 1,682 | 210 | 0 | 0 | 0 | 210 | 1,472 | 593 | 244 | 836 | |
| 2024 | 1,530 | 0 | 0 | 1,530 | 0 | 1,530 | 191 | 0 | 0 | 0 | 191 | 1,338 | 606 | 219 | 825 | |
| 2025 | 1,362 | 0 | 0 | 1,362 | 0 | 1,362 | 170 | 0 | 0 | 0 | 170 | 1,192 | 606 | 192 | 798 | |
| 2026 | 1,233 | 0 | 0 | 1,233 | 0 | 1,233 | 154 | 0 | 0 | 0 | 154 | 1,079 | 608 | 172 | 780 | |
| 2027 | 1,097 | 0 | 0 | 1,097 | 0 | 1,097 | 137 | 0 | 0 | 0 | 137 | 960 | 598 | 153 | 750 | |
| 2028 | 1,001 | 0 | 0 | 1,001 | 0 | 1,001 | 125 | 0 | 0 | 0 | 125 | 876 | 607 | 139 | 747 | |
| 2029 | 779 | 0 | 0 | 779 | 0 | 779 | 97 | 0 | 0 | 0 | 97 | 682 | 552 | 108 | 660 | |
| 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 | |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Tot. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 | |
| Disc | 12,482 | 0 | 0 | 12,482 | 0 | 12,482 | 1,560 | 0 | 0 | 0 | 1,560 | 10,922 | 4,046 | 1,853 | 5,900 | |

| Year | Aband. & Recl. Costs | | | | Oper. Income | | 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 | 1,427 | 0 | 0 | 1,427 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 |
| 2020 | 0 | 0 | 0 | 1,236 | 0 | 0 | 1,236 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 |
| 2021 | 0 | 0 | 0 | 1,004 | 0 | 0 | 1,004 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 |
| 2022 | 0 | 0 | 0 | 795 | 0 | 0 | 795 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 |
| 2023 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 |
| 2024 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 |
| 2025 | 0 | 0 | 0 | 394 | 0 | 11 | 382 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 |
| 2026 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 |
| 2027 | 0 | 0 | 0 | 209 | 0 | 11 | 198 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 |
| 2028 | 0 | 0 | 0 | 129 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 |
| 2029 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 |
| 2031 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,617 | 5,003 |
| 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,617 | 5,003 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 26 | -26 | 0 | 0 | 0 | 0 | -26 | 6,591 | 4,997 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 106 | -106 | 0 | 0 | 0 | 0 | -106 | 6,485 | 4,973 |
| Tot. | 0 | 0 | 0 | 6,664 | 0 | 179 | 6,485 | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 |
| Disc | 0 | 0 | 0 | 5,022 | 0 | 49 | 4,973 | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 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 | 12.5000 | 12.5000 | 0 | 6,664 | 6,485 | 0 | 6,485 | 25.40 | | |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 5,730 | 5,638 | 0 | 5,638 | 22.08 | | |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,283 | 5,220 | 0 | 5,220 | 20.45 | | |
| | | | 10 | 5,022 | 4,973 | 0 | 4,973 | 19.48 | | |
| | | | 12 | 4,786 | 4,747 | 0 | 4,747 | 18.59 | | |
| | | | 15 | 4,472 | 4,444 | 0 | 4,444 | 17.41 | | |
| | | | 20 | 4,035 | 4,018 | 0 | 4,018 | 15.74 | | |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:23

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 60.72 |
| 2020 | 3 | 105 | 38 | 34 | 65.76 |
| 2021 | 3 | 88 | 32 | 28 | 68.40 |
| 2022 | 3 | 75 | 27 | 24 | 70.08 |
| 2023 | 2 | 64 | 23 | 20 | 72.48 |
| 2024 | 2 | 56 | 20 | 18 | 74.88 |
| 2025 | 2 | 48 | 18 | 15 | 77.28 |
| 2026 | 2 | 42 | 15 | 13 | 80.07 |
| 2027 | 2 | 37 | 13 | 12 | 81.62 |
| 2028 | 2 | 33 | 12 | 11 | 83.19 |
| 2029 | 2 | 25 | 9 | 8 | 84.86 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| 2031 | 0 | 0 | 0 | 0 | 0.00 |
| 2032 | 0 | 0 | 0 | 0 | 0.00 |
| 2033 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 255 | 223 | 70.98 |

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 | | | | | | Fixed | Variable | Total |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | M\$ | M\$ | M\$ | M\$ | M\$ |
| 2019 | 2,811 | 0 | 0 | 2,811 | 0 | 2,811 | 351 | 0 | 0 | 0 | 351 | 2,460 | 584 | 449 | 1,033 |
| 2020 | 2,529 | 0 | 0 | 2,529 | 0 | 2,529 | 316 | 0 | 0 | 0 | 316 | 2,213 | 596 | 380 | 976 |
| 2021 | 2,189 | 0 | 0 | 2,189 | 0 | 2,189 | 274 | 0 | 0 | 0 | 274 | 1,916 | 589 | 323 | 912 |
| 2022 | 1,911 | 0 | 0 | 1,911 | 0 | 1,911 | 239 | 0 | 0 | 0 | 239 | 1,672 | 596 | 281 | 877 |
| 2023 | 1,682 | 0 | 0 | 1,682 | 0 | 1,682 | 210 | 0 | 0 | 0 | 210 | 1,472 | 593 | 244 | 836 |
| 2024 | 1,530 | 0 | 0 | 1,530 | 0 | 1,530 | 191 | 0 | 0 | 0 | 191 | 1,338 | 606 | 219 | 825 |
| 2025 | 1,362 | 0 | 0 | 1,362 | 0 | 1,362 | 170 | 0 | 0 | 0 | 170 | 1,192 | 606 | 192 | 798 |
| 2026 | 1,233 | 0 | 0 | 1,233 | 0 | 1,233 | 154 | 0 | 0 | 0 | 154 | 1,079 | 608 | 172 | 780 |
| 2027 | 1,097 | 0 | 0 | 1,097 | 0 | 1,097 | 137 | 0 | 0 | 0 | 137 | 960 | 598 | 153 | 750 |
| 2028 | 1,001 | 0 | 0 | 1,001 | 0 | 1,001 | 125 | 0 | 0 | 0 | 125 | 876 | 607 | 139 | 747 |
| 2029 | 779 | 0 | 0 | 779 | 0 | 779 | 97 | 0 | 0 | 0 | 97 | 682 | 552 | 108 | 660 |
| 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 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Disc | 12,482 | 0 | 0 | 12,482 | 0 | 12,482 | 1,560 | 0 | 0 | 0 | 1,560 | 10,922 | 4,046 | 1,853 | 5,900 |

| Year | Aband. & Recl. Costs | | | | Oper. Income | | 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 | 1,427 | 0 | 0 | 1,427 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 |
| 2020 | 0 | 0 | 0 | 1,236 | 0 | 0 | 1,236 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 |
| 2021 | 0 | 0 | 0 | 1,004 | 0 | 0 | 1,004 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 |
| 2022 | 0 | 0 | 0 | 795 | 0 | 0 | 795 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 |
| 2023 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 |
| 2024 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 |
| 2025 | 0 | 0 | 0 | 394 | 0 | 11 | 382 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 |
| 2026 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 |
| 2027 | 0 | 0 | 0 | 209 | 0 | 11 | 198 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 |
| 2028 | 0 | 0 | 0 | 129 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 |
| 2029 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 |
| 2031 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,617 | 5,003 |
| 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,617 | 5,003 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 26 | -26 | 0 | 0 | 0 | 0 | -26 | 6,591 | 4,997 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 106 | -106 | 0 | 0 | 0 | 0 | -106 | 6,485 | 4,973 |
| Tot. | 0 | 0 | 0 | 6,664 | 0 | 179 | 6,485 | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 |
| Disc | 0 | 0 | 0 | 5,022 | 0 | 49 | 4,973 | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 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 | 12.5000 | 12.5000 | 0 | 6,664 | 6,485 | 0 | 6,485 | 25.40 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 5,730 | 5,638 | 0 | 5,638 | 22.08 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,283 | 5,220 | 0 | 5,220 | 20.45 |
| | | | 10 | 5,022 | 4,973 | 0 | 4,973 | 19.48 |
| | | | 12 | 4,786 | 4,747 | 0 | 4,747 | 18.59 |
| | | | 15 | 4,472 | 4,444 | 0 | 4,444 | 17.41 |
| | | | 20 | 4,035 | 4,018 | 0 | 4,018 | 15.74 |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:24

PROBABLE AND PROVED PLUS PROBABLE RESERVES**TABLE OF CONTENTS**

| | Page |
|---|-------------|
| SUMMARY OF RESERVES AND VALUES | 20 |
| COMPANY PRODUCTION, RESERVES AND PRESENT VALUE SUMMARY | 21 |
| ECONOMIC FORECASTS | |
| Total Probable | 22 |
| Total Proved Plus Probable | 24 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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>Light & Medium Oil (Mbbbl)</u> | | |
| Total Company Interest | 69 | 324 |
| Working Interest | 69 | 324 |
| Net After Royalty | 60 | 284 |
| <u>Oil Equivalent (Mboe)</u> | | |
| Total Company Interest | 69 | 324 |
| Working Interest | 69 | 324 |
| Net After Royalty | 60 | 284 |
| BEFORE TAX PRESENT VALUE (M\$) | | |
| 0% | 1,999 | 8,484 |
| 5% | 1,433 | 7,072 |
| 8% | 1,193 | 6,413 |
| 10% | 1,063 | 6,035 |
| 12% | 951 | 5,698 |
| 15% | 813 | 5,258 |
| 20% | 641 | 4,659 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | |
| 2019 | 32 | 1,460 |
| 2020 | 88 | 1,324 |
| 2021 | 121 | 1,125 |
| 2022 | 148 | 943 |
| 2023 | 172 | 807 |
| 2024 | 169 | 683 |

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: February 13, 2019 13:47:24

1192041 Class (FI), GLJ (2019-01), psum

February 13, 2019 13:52:28

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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% |
| Total Probable | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 2 | 0 | 2 | 0 | 69 | 0 | 0 | 69 | 0 | 60 | 0 | 0 | 60 | 91.5 | 1,999 | 1,433 | 1,193 | 1,063 | 951 |
| Total: Total Probable | 0 | 2 | 0 | 2 | 0 | 69 | 0 | 0 | 69 | 0 | 60 | 0 | 0 | 60 | | 1,999 | 1,433 | 1,193 | 1,063 | 951 |
| Total Proved Plus Probable | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 129 | 0 | 129 | 0 | 324 | 0 | 0 | 324 | 0 | 284 | 0 | 0 | 284 | 6.9 | 8,484 | 7,072 | 6,413 | 6,035 | 5,698 |
| Total: Total Proved Plus Probable | 0 | 129 | 0 | 129 | 0 | 324 | 0 | 0 | 324 | 0 | 284 | 0 | 0 | 284 | | 8,484 | 7,072 | 6,413 | 6,035 | 5,698 |

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: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 2 | 1 | 1 | 60.72 |
| 2020 | 0 | 5 | 2 | 2 | 65.76 |
| 2021 | 0 | 8 | 3 | 3 | 68.40 |
| 2022 | 0 | 8 | 3 | 3 | 70.08 |
| 2023 | 0 | 10 | 4 | 3 | 72.48 |
| 2024 | 0 | 9 | 3 | 3 | 74.88 |
| 2025 | 0 | 10 | 4 | 3 | 77.28 |
| 2026 | 0 | 10 | 4 | 3 | 80.07 |
| 2027 | 0 | 11 | 4 | 4 | 81.62 |
| 2028 | 0 | 10 | 4 | 3 | 83.19 |
| 2029 | 1 | 14 | 5 | 4 | 84.86 |
| 2030 | 2 | 35 | 13 | 11 | 86.55 |
| 2031 | 2 | 32 | 12 | 10 | 88.29 |
| 2032 | 2 | 25 | 9 | 8 | 90.05 |
| 2033 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0.00 |
| 2035 | 0 | 0 | 0 | 0 | 0.00 |
| 2036 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 69 | 60 | 82.27 |

REVENUE AND EXPENSE FORECAST

| Year | Revenue Before Burdens | | | | | | Royalty Burdens | | Gas Processing Allowance | | Total Royalty After Process. MS | Net Revenue After Royalty MS | Operating Expenses | | |
|-------------|------------------------|----------|-------------|--------------|------------------|------------------|-----------------|-----------|--------------------------|-----------|---------------------------------|------------------------------|--------------------|-------------|--------------|
| | Working Interest | | | | Royalty Interest | Company Interest | Pre-Processing | | | | | | Fixed MS | Variable MS | Total MS |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | | | |
| 2019 | 46 | 0 | 0 | 46 | 0 | 46 | 6 | 0 | 0 | 0 | 6 | 40 | 0 | 7 | 8 |
| 2020 | 122 | 0 | 0 | 122 | 0 | 122 | 15 | 0 | 0 | 0 | 15 | 107 | 1 | 18 | 19 |
| 2021 | 196 | 0 | 0 | 196 | 0 | 196 | 25 | 0 | 0 | 0 | 25 | 172 | 21 | 29 | 50 |
| 2022 | 212 | 0 | 0 | 212 | 0 | 212 | 27 | 0 | 0 | 0 | 27 | 186 | 7 | 31 | 38 |
| 2023 | 268 | 0 | 0 | 268 | 0 | 268 | 33 | 0 | 0 | 0 | 33 | 234 | 23 | 39 | 62 |
| 2024 | 241 | 0 | 0 | 241 | 0 | 241 | 30 | 0 | 0 | 0 | 30 | 211 | 7 | 34 | 42 |
| 2025 | 271 | 0 | 0 | 271 | 0 | 271 | 34 | 0 | 0 | 0 | 34 | 237 | 15 | 38 | 53 |
| 2026 | 305 | 0 | 0 | 305 | 0 | 305 | 38 | 0 | 0 | 0 | 38 | 267 | 26 | 42 | 68 |
| 2027 | 335 | 0 | 0 | 335 | 0 | 335 | 42 | 0 | 0 | 0 | 42 | 293 | 50 | 47 | 97 |
| 2028 | 304 | 0 | 0 | 304 | 0 | 304 | 38 | 0 | 0 | 0 | 38 | 266 | 38 | 42 | 80 |
| 2029 | 423 | 0 | 0 | 423 | 0 | 423 | 53 | 0 | 0 | 0 | 53 | 370 | 99 | 59 | 158 |
| 2030 | 1,102 | 0 | 0 | 1,102 | 0 | 1,102 | 138 | 0 | 0 | 0 | 138 | 965 | 639 | 154 | 792 |
| 2031 | 1,022 | 0 | 0 | 1,022 | 0 | 1,022 | 128 | 0 | 0 | 0 | 128 | 895 | 643 | 142 | 786 |
| 2032 | 831 | 0 | 0 | 831 | 0 | 831 | 104 | 0 | 0 | 0 | 104 | 727 | 590 | 116 | 706 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| Tot. | 5,679 | 0 | 0 | 5,679 | 0 | 5,679 | 710 | 0 | 0 | 0 | 710 | 4,969 | 2,160 | 800 | 2,960 |
| Disc | 2,404 | 0 | 0 | 2,404 | 0 | 2,404 | 301 | 0 | 0 | 0 | 301 | 2,104 | 709 | 341 | 1,050 |

| 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 | 32 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 32 | 32 | 31 |
| 2020 | 0 | 0 | 0 | 88 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 88 | 120 | 107 |
| 2021 | 0 | 0 | 0 | 121 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 121 | 241 | 202 |
| 2022 | 0 | 0 | 0 | 148 | 0 | 0 | 148 | 0 | 0 | 0 | 0 | 148 | 389 | 308 |
| 2023 | 0 | 0 | 0 | 172 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 172 | 561 | 420 |
| 2024 | 0 | 0 | 0 | 169 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 169 | 730 | 520 |
| 2025 | 0 | 0 | 0 | 184 | 0 | -11 | 195 | 0 | 0 | 0 | 0 | 195 | 925 | 625 |
| 2026 | 0 | 0 | 0 | 198 | 0 | 11 | 187 | 0 | 0 | 0 | 0 | 187 | 1,113 | 717 |
| 2027 | 0 | 0 | 0 | 196 | 0 | -11 | 208 | 0 | 0 | 0 | 0 | 208 | 1,320 | 810 |
| 2028 | 0 | 0 | 0 | 186 | 0 | 0 | 186 | 0 | 0 | 0 | 0 | 186 | 1,506 | 885 |
| 2029 | 0 | 0 | 0 | 212 | 0 | 12 | 200 | 0 | 0 | 0 | 0 | 200 | 1,707 | 958 |
| 2030 | 0 | 0 | 0 | 172 | 0 | -12 | 184 | 0 | 0 | 0 | 0 | 184 | 1,891 | 1,020 |
| 2031 | 0 | 0 | 0 | 109 | 0 | -12 | 121 | 0 | 0 | 0 | 0 | 121 | 2,012 | 1,057 |
| 2032 | 0 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 2,033 | 1,063 |
| 2033 | 0 | 0 | 0 | 0 | 0 | -13 | 13 | 0 | 0 | 0 | 0 | 13 | 2,046 | 1,066 |
| 2034 | 0 | 0 | 0 | 0 | 0 | -92 | 92 | 0 | 0 | 0 | 0 | 92 | 2,138 | 1,087 |
| 2035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,138 | 1,087 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 14 | -14 | 0 | 0 | 0 | 0 | -14 | 2,125 | 1,084 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 126 | -126 | 0 | 0 | 0 | 0 | -126 | 1,999 | 1,063 |
| Tot. | 0 | 0 | 0 | 2,009 | 0 | 11 | 1,999 | 0 | 0 | 0 | 0 | 1,999 | 1,999 | 1,063 |
| Disc | 0 | 0 | 0 | 1,054 | 0 | -9 | 1,063 | 0 | 0 | 0 | 0 | 1,063 | 1,063 | 1,063 |

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 |
| Light/Med Oil | Mbbl | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 91.5 | 10.8 |
| Total: Oil Eq. | Mboe | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 91.5 | 10.8 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 10.12 | 0.00 | 43.01 | 4,969 | 100 | 2,104 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 10.12 | 0.00 | 43.01 | 4,969 | 100 | 2,104 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| | Net Present Value Before Income Tax | | | | | | | Cash Flow | |
|-------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|-------|-----------|--------|
| | Revenue Burdens (%) | | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | | M\$ | \$/boe |
| | Initial | Average | | | | | | | |
| Crown Royalty | 12.5000 | 12.5000 | 0 | 2,009 | 1,999 | 0 | 1,999 | 28.96 | |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,426 | 1,433 | 0 | 1,433 | 20.77 | |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 1,184 | 1,193 | 0 | 1,193 | 17.28 | |
| | | | 10 | 1,054 | 1,063 | 0 | 1,063 | 15.40 | |
| | | | 12 | 943 | 951 | 0 | 951 | 13.78 | |
| | | | 15 | 806 | 813 | 0 | 813 | 11.79 | |
| | | | 20 | 636 | 641 | 0 | 641 | 9.29 | |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:24

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 129 | 47 | 41 | 60.72 |
| 2020 | 3 | 110 | 40 | 35 | 65.76 |
| 2021 | 3 | 96 | 35 | 31 | 68.40 |
| 2022 | 3 | 83 | 30 | 27 | 70.08 |
| 2023 | 3 | 74 | 27 | 24 | 72.48 |
| 2024 | 3 | 65 | 24 | 21 | 74.88 |
| 2025 | 2 | 58 | 21 | 18 | 77.28 |
| 2026 | 2 | 53 | 19 | 17 | 80.07 |
| 2027 | 2 | 48 | 18 | 15 | 81.62 |
| 2028 | 2 | 43 | 16 | 14 | 83.19 |
| 2029 | 2 | 39 | 14 | 12 | 84.86 |
| 2030 | 2 | 35 | 13 | 11 | 86.55 |
| 2031 | 2 | 32 | 12 | 10 | 88.29 |
| 2032 | 2 | 25 | 9 | 8 | 90.05 |
| 2033 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0.00 |
| 2035 | 0 | 0 | 0 | 0 | 0.00 |
| 2036 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 324 | 284 | 73.38 |

REVENUE AND EXPENSE FORECAST

| Year | Revenue Before Burdens | | | | | | Royalty Burdens | | Gas Processing Allowance | | Total Royalty After Process. MS | Net Revenue After Royalty MS | Operating Expenses | | |
|-------------|------------------------|----------|-------------|---------------|------------------|------------------|-----------------|-----------|--------------------------|-----------|---------------------------------|------------------------------|--------------------|--------------|---------------|
| | Working Interest | | | | Royalty Interest | Company Interest | Pre-Processing | | | | | | Fixed MS | Variable MS | Total MS |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | | | |
| 2019 | 2,857 | 0 | 0 | 2,857 | 0 | 2,857 | 357 | 0 | 0 | 0 | 357 | 2,500 | 584 | 456 | 1,040 |
| 2020 | 2,651 | 0 | 0 | 2,651 | 0 | 2,651 | 331 | 0 | 0 | 0 | 331 | 2,319 | 597 | 399 | 996 |
| 2021 | 2,386 | 0 | 0 | 2,386 | 0 | 2,386 | 298 | 0 | 0 | 0 | 298 | 2,087 | 610 | 352 | 962 |
| 2022 | 2,123 | 0 | 0 | 2,123 | 0 | 2,123 | 265 | 0 | 0 | 0 | 265 | 1,857 | 603 | 312 | 915 |
| 2023 | 1,950 | 0 | 0 | 1,950 | 0 | 1,950 | 244 | 0 | 0 | 0 | 244 | 1,706 | 616 | 282 | 899 |
| 2024 | 1,771 | 0 | 0 | 1,771 | 0 | 1,771 | 221 | 0 | 0 | 0 | 221 | 1,549 | 613 | 253 | 866 |
| 2025 | 1,633 | 0 | 0 | 1,633 | 0 | 1,633 | 204 | 0 | 0 | 0 | 204 | 1,429 | 621 | 231 | 851 |
| 2026 | 1,538 | 0 | 0 | 1,538 | 0 | 1,538 | 192 | 0 | 0 | 0 | 192 | 1,346 | 634 | 214 | 848 |
| 2027 | 1,432 | 0 | 0 | 1,432 | 0 | 1,432 | 179 | 0 | 0 | 0 | 179 | 1,253 | 648 | 199 | 847 |
| 2028 | 1,305 | 0 | 0 | 1,305 | 0 | 1,305 | 163 | 0 | 0 | 0 | 163 | 1,142 | 645 | 182 | 827 |
| 2029 | 1,202 | 0 | 0 | 1,202 | 0 | 1,202 | 150 | 0 | 0 | 0 | 150 | 1,052 | 650 | 167 | 818 |
| 2030 | 1,102 | 0 | 0 | 1,102 | 0 | 1,102 | 138 | 0 | 0 | 0 | 138 | 965 | 639 | 154 | 792 |
| 2031 | 1,022 | 0 | 0 | 1,022 | 0 | 1,022 | 128 | 0 | 0 | 0 | 128 | 895 | 643 | 142 | 786 |
| 2032 | 831 | 0 | 0 | 831 | 0 | 831 | 104 | 0 | 0 | 0 | 104 | 727 | 590 | 116 | 706 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| Tot. | 23,802 | 0 | 0 | 23,802 | 0 | 23,802 | 2,975 | 0 | 0 | 0 | 2,975 | 20,826 | 8,693 | 3,460 | 12,153 |
| Disc | 14,886 | 0 | 0 | 14,886 | 0 | 14,886 | 1,861 | 0 | 0 | 0 | 1,861 | 13,025 | 4,755 | 2,195 | 6,950 |

| 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 | 1,460 | 0 | 0 | 1,460 | 0 | 0 | 0 | 0 | 1,460 | 1,460 | 1,392 |
| 2020 | 0 | 0 | 0 | 1,324 | 0 | 0 | 1,324 | 0 | 0 | 0 | 0 | 1,324 | 2,783 | 2,539 |
| 2021 | 0 | 0 | 0 | 1,125 | 0 | 0 | 1,125 | 0 | 0 | 0 | 0 | 1,125 | 3,909 | 3,426 |
| 2022 | 0 | 0 | 0 | 943 | 0 | 0 | 943 | 0 | 0 | 0 | 0 | 943 | 4,852 | 4,101 |
| 2023 | 0 | 0 | 0 | 807 | 0 | 0 | 807 | 0 | 0 | 0 | 0 | 807 | 5,659 | 4,627 |
| 2024 | 0 | 0 | 0 | 683 | 0 | 0 | 683 | 0 | 0 | 0 | 0 | 683 | 6,342 | 5,031 |
| 2025 | 0 | 0 | 0 | 578 | 0 | 0 | 578 | 0 | 0 | 0 | 0 | 578 | 6,919 | 5,342 |
| 2026 | 0 | 0 | 0 | 498 | 0 | 11 | 486 | 0 | 0 | 0 | 0 | 486 | 7,406 | 5,580 |
| 2027 | 0 | 0 | 0 | 406 | 0 | 0 | 406 | 0 | 0 | 0 | 0 | 406 | 7,811 | 5,761 |
| 2028 | 0 | 0 | 0 | 315 | 0 | 0 | 315 | 0 | 0 | 0 | 0 | 315 | 8,126 | 5,888 |
| 2029 | 0 | 0 | 0 | 234 | 0 | 12 | 222 | 0 | 0 | 0 | 0 | 222 | 8,348 | 5,969 |
| 2030 | 0 | 0 | 0 | 172 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 172 | 8,520 | 6,027 |
| 2031 | 0 | 0 | 0 | 109 | 0 | 0 | 109 | 0 | 0 | 0 | 0 | 109 | 8,629 | 6,060 |
| 2032 | 0 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 8,650 | 6,066 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 13 | -13 | 0 | 0 | 0 | 0 | -13 | 8,637 | 6,063 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 13 | -13 | 0 | 0 | 0 | 0 | -13 | 8,624 | 6,060 |
| 2035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,624 | 6,060 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 14 | -14 | 0 | 0 | 0 | 0 | -14 | 8,610 | 6,057 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 126 | -126 | 0 | 0 | 0 | 0 | -126 | 8,484 | 6,035 |
| Tot. | 0 | 0 | 0 | 8,673 | 0 | 189 | 8,484 | 0 | 0 | 0 | 0 | 8,484 | 8,484 | 6,035 |
| Disc | 0 | 0 | 0 | 6,076 | 0 | 40 | 6,035 | 0 | 0 | 0 | 0 | 6,035 | 6,035 | 6,035 |

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 |
| Light/Med Oil | Mbbl | 324 | 0 | 324 | 284 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |
| Total: Oil Eq. | Mboe | 324 | 0 | 324 | 284 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |

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 | |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| | Net Present Value Before Income Tax | | | | | | | |
|-------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|-------|--------|
| | Revenue Burdens (%) | | | | Cash Flow | | | |
| | Initial | Average | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | M\$ | \$/boe |
| Crown Royalty | 12.5000 | 12.5000 | 0 | 8,673 | 8,484 | 0 | 8,484 | 26.16 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 7,156 | 7,072 | 0 | 7,072 | 21.80 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 6,467 | 6,413 | 0 | 6,413 | 19.77 |
| | | | 10 | 6,076 | 6,035 | 0 | 6,035 | 18.61 |
| | | | 12 | 5,729 | 5,698 | 0 | 5,698 | 17.57 |
| | | | 15 | 5,278 | 5,258 | 0 | 5,258 | 16.21 |
| | | | 20 | 4,671 | 4,659 | 0 | 4,659 | 14.37 |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:24

POSSIBLE AND PROVED PLUS PROBABLE PLUS POSSIBLE RESERVES**TABLE OF CONTENTS**

| | Page |
|---|-------------|
| SUMMARY OF RESERVES AND VALUES | 27 |
| COMPANY PRODUCTION, RESERVES AND PRESENT VALUE SUMMARY | 28 |
| ECONOMIC FORECASTS | |
| Total Possible | 29 |
| Total PPP | 31 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Summary of Reserves and Values

| | Total Possible | Total PPP |
|---|---------------------------|----------------------|
| MARKETABLE RESERVES | | |
| <u>Light & Medium Oil (Mdbl)</u> | | |
| Total Company Interest | 66 | 390 |
| Working Interest | 66 | 390 |
| Net After Royalty | 58 | 342 |
| <u>Oil Equivalent (Mboe)</u> | | |
| Total Company Interest | 66 | 390 |
| Working Interest | 66 | 390 |
| Net After Royalty | 58 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | |
| 0% | 1,932 | 10,416 |
| 5% | 1,267 | 8,338 |
| 8% | 1,007 | 7,421 |
| 10% | 873 | 6,909 |
| 12% | 763 | 6,461 |
| 15% | 631 | 5,888 |
| 20% | 475 | 5,135 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | |
| 2019 | 19 | 1,478 |
| 2020 | 53 | 1,376 |
| 2021 | 78 | 1,204 |
| 2022 | 94 | 1,036 |
| 2023 | 108 | 916 |
| 2024 | 131 | 814 |

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: February 13, 2019 13:47:25

1192041 Class (O,R), GLJ (2019-01), psum

February 13, 2019 13:52:08

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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% |
| Total Possible | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 1 | 0 | 1 | 0 | 66 | 0 | 0 | 66 | 0 | 58 | 0 | 0 | 58 | 152.6 | 1,932 | 1,267 | 1,007 | 873 | 763 |
| Total: Total Possible | 0 | 1 | 0 | 1 | 0 | 66 | 0 | 0 | 66 | 0 | 58 | 0 | 0 | 58 | | 1,932 | 1,267 | 1,007 | 873 | 763 |
| Total PPP | | | | | | | | | | | | | | | | | | | | |
| Cendere | 0 | 130 | 0 | 130 | 0 | 390 | 0 | 0 | 390 | 0 | 342 | 0 | 0 | 342 | 8.2 | 10,416 | 8,338 | 7,421 | 6,909 | 6,461 |
| Total: Total PPP | 0 | 130 | 0 | 130 | 0 | 390 | 0 | 0 | 390 | 0 | 342 | 0 | 0 | 342 | | 10,416 | 8,338 | 7,421 | 6,909 | 6,461 |

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: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 1 | 0 | 0 | 60.72 |
| 2020 | 0 | 3 | 1 | 1 | 65.76 |
| 2021 | 0 | 4 | 2 | 1 | 68.40 |
| 2022 | 0 | 6 | 2 | 2 | 70.08 |
| 2023 | 0 | 6 | 2 | 2 | 72.48 |
| 2024 | 0 | 7 | 3 | 2 | 74.88 |
| 2025 | 0 | 7 | 3 | 2 | 77.28 |
| 2026 | 0 | 6 | 2 | 2 | 80.07 |
| 2027 | 0 | 6 | 2 | 2 | 81.62 |
| 2028 | 0 | 8 | 3 | 2 | 83.19 |
| 2029 | 0 | 8 | 3 | 3 | 84.86 |
| 2030 | 0 | 9 | 3 | 3 | 86.55 |
| 2031 | 0 | 8 | 3 | 3 | 88.29 |
| 2032 | 0 | 11 | 4 | 3 | 90.05 |
| 2033 | 2 | 34 | 12 | 11 | 91.85 |
| 2034 | 2 | 30 | 11 | 10 | 93.69 |
| 2035 | 2 | 27 | 10 | 9 | 95.56 |
| 2036 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0.00 |
| 2038 | 0 | 0 | 0 | 0 | 0.00 |
| 2039 | 0 | 0 | 0 | 0 | 0.00 |
| 2040 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 66 | 58 | 86.90 |

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 | Company Interest | Pre-Processing | | | | | | 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 | 26 | 0 | 0 | 26 | 0 | 26 | 3 | 0 | 0 | 0 | 3 | 23 | 0 | 4 | 4 |
| 2020 | 73 | 0 | 0 | 73 | 0 | 73 | 9 | 0 | 0 | 0 | 9 | 64 | 1 | 11 | 12 |
| 2021 | 109 | 0 | 0 | 109 | 0 | 109 | 14 | 0 | 0 | 0 | 14 | 95 | 1 | 16 | 17 |
| 2022 | 158 | 0 | 0 | 158 | 0 | 158 | 20 | 0 | 0 | 0 | 20 | 139 | 22 | 23 | 45 |
| 2023 | 150 | 0 | 0 | 150 | 0 | 150 | 19 | 0 | 0 | 0 | 19 | 131 | 1 | 22 | 23 |
| 2024 | 204 | 0 | 0 | 204 | 0 | 204 | 25 | 0 | 0 | 0 | 25 | 178 | 18 | 29 | 47 |
| 2025 | 211 | 0 | 0 | 211 | 0 | 211 | 26 | 0 | 0 | 0 | 26 | 185 | 19 | 30 | 49 |
| 2026 | 177 | 0 | 0 | 177 | 0 | 177 | 22 | 0 | 0 | 0 | 22 | 155 | 1 | 25 | 25 |
| 2027 | 184 | 0 | 0 | 184 | 0 | 184 | 23 | 0 | 0 | 0 | 23 | 161 | 1 | 26 | 26 |
| 2028 | 229 | 0 | 0 | 229 | 0 | 229 | 29 | 0 | 0 | 0 | 29 | 200 | 17 | 32 | 49 |
| 2029 | 252 | 0 | 0 | 252 | 0 | 252 | 31 | 0 | 0 | 0 | 31 | 220 | 27 | 35 | 62 |
| 2030 | 283 | 0 | 0 | 283 | 0 | 283 | 35 | 0 | 0 | 0 | 35 | 248 | 53 | 39 | 92 |
| 2031 | 259 | 0 | 0 | 259 | 0 | 259 | 32 | 0 | 0 | 0 | 32 | 226 | 43 | 36 | 79 |
| 2032 | 349 | 0 | 0 | 349 | 0 | 349 | 44 | 0 | 0 | 0 | 44 | 305 | 77 | 49 | 125 |
| 2033 | 1,129 | 0 | 0 | 1,129 | 0 | 1,129 | 141 | 0 | 0 | 0 | 141 | 988 | 681 | 157 | 838 |
| 2034 | 1,023 | 0 | 0 | 1,023 | 0 | 1,023 | 128 | 0 | 0 | 0 | 128 | 895 | 666 | 143 | 809 |
| 2035 | 931 | 0 | 0 | 931 | 0 | 931 | 116 | 0 | 0 | 0 | 116 | 815 | 654 | 130 | 784 |
| 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 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 5,746 | 0 | 0 | 5,746 | 0 | 5,746 | 718 | 0 | 0 | 0 | 718 | 5,028 | 2,280 | 806 | 3,086 |
| Disc | 1,953 | 0 | 0 | 1,953 | 0 | 1,953 | 244 | 0 | 0 | 0 | 244 | 1,709 | 566 | 276 | 842 |

| 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 | 19 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 19 | 19 | 18 |
| 2020 | 0 | 0 | 0 | 53 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 53 | 71 | 63 |
| 2021 | 0 | 0 | 0 | 78 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 78 | 150 | 125 |
| 2022 | 0 | 0 | 0 | 94 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 94 | 243 | 192 |
| 2023 | 0 | 0 | 0 | 108 | 0 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 108 | 352 | 263 |
| 2024 | 0 | 0 | 0 | 131 | 0 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 131 | 483 | 341 |
| 2025 | 0 | 0 | 0 | 136 | 0 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | 136 | 619 | 414 |
| 2026 | 0 | 0 | 0 | 129 | 0 | -11 | 141 | 0 | 0 | 0 | 0 | 0 | 141 | 760 | 483 |
| 2027 | 0 | 0 | 0 | 135 | 0 | 11 | 123 | 0 | 0 | 0 | 0 | 0 | 123 | 883 | 538 |
| 2028 | 0 | 0 | 0 | 151 | 0 | 0 | 151 | 0 | 0 | 0 | 0 | 0 | 151 | 1,034 | 599 |
| 2029 | 0 | 0 | 0 | 158 | 0 | -12 | 170 | 0 | 0 | 0 | 0 | 0 | 170 | 1,204 | 661 |
| 2030 | 0 | 0 | 0 | 156 | 0 | 12 | 144 | 0 | 0 | 0 | 0 | 0 | 144 | 1,348 | 709 |
| 2031 | 0 | 0 | 0 | 147 | 0 | 0 | 147 | 0 | 0 | 0 | 0 | 0 | 147 | 1,495 | 754 |
| 2032 | 0 | 0 | 0 | 180 | 0 | 0 | 180 | 0 | 0 | 0 | 0 | 0 | 180 | 1,675 | 803 |
| 2033 | 0 | 0 | 0 | 150 | 0 | -13 | 163 | 0 | 0 | 0 | 0 | 0 | 163 | 1,837 | 844 |
| 2034 | 0 | 0 | 0 | 87 | 0 | -13 | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 1,937 | 867 |
| 2035 | 0 | 0 | 0 | 31 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 31 | 1,968 | 873 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 14 | -14 | 0 | 0 | 0 | 0 | 0 | -14 | 1,954 | 871 |
| 2037 | 0 | 0 | 0 | 0 | 0 | -126 | 126 | 0 | 0 | 0 | 0 | 0 | 126 | 2,080 | 892 |
| 2038 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,080 | 892 |
| 2039 | 0 | 0 | 0 | 0 | 0 | 15 | -15 | 0 | 0 | 0 | 0 | 0 | -15 | 2,065 | 890 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 134 | -134 | 0 | 0 | 0 | 0 | 0 | -134 | 1,932 | 873 |
| Tot. | 0 | 0 | 0 | 1,942 | 0 | 10 | 1,932 | 0 | 0 | 0 | 0 | 0 | 1,932 | 1,932 | 873 |
| Disc | 0 | 0 | 0 | 866 | 0 | -7 | 873 | 0 | 0 | 0 | 0 | 0 | 873 | 873 | 873 |

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 |
| | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 66 | 0 | 66 | 58 | 1,000 | 66 | 100 | 17.0 | 152.6 | 14.0 |
| Total: Oil Eq. | Mboe | 66 | 0 | 66 | 58 | 1,000 | 66 | 100 | 17.0 | 152.6 | 14.0 |

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 | |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 10.14 | 0.00 | 42.99 | 5,028 | 100 | 1,709 | 100 | |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 10.14 | 0.00 | 42.99 | 5,028 | 100 | 1,709 | 100 | |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| | Net Present Value Before Income Tax | | | | | | | |
|-------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|-------|--------|
| | Revenue Burdens (%) | | | | Cash Flow | | | |
| | Initial | Average | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | M\$ | \$/boe |
| Crown Royalty | 12.5000 | 12.5000 | 0 | 1,942 | 1,932 | 0 | 1,932 | 29.22 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,261 | 1,267 | 0 | 1,267 | 19.16 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 1,000 | 1,007 | 0 | 1,007 | 15.23 |
| | | | 10 | 866 | 873 | 0 | 873 | 13.20 |
| | | | 12 | 757 | 763 | 0 | 763 | 11.53 |
| | | | 15 | 626 | 631 | 0 | 631 | 9.54 |
| | | | 20 | 472 | 475 | 0 | 475 | 7.19 |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:25

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 130 | 47 | 42 | 60.72 |
| 2020 | 3 | 113 | 41 | 36 | 65.76 |
| 2021 | 3 | 100 | 36 | 32 | 68.40 |
| 2022 | 3 | 89 | 33 | 28 | 70.08 |
| 2023 | 3 | 79 | 29 | 25 | 72.48 |
| 2024 | 3 | 72 | 26 | 23 | 74.88 |
| 2025 | 3 | 65 | 24 | 21 | 77.28 |
| 2026 | 2 | 59 | 21 | 19 | 80.07 |
| 2027 | 2 | 54 | 20 | 17 | 81.62 |
| 2028 | 2 | 51 | 18 | 16 | 83.19 |
| 2029 | 2 | 47 | 17 | 15 | 84.86 |
| 2030 | 2 | 44 | 16 | 14 | 86.55 |
| 2031 | 2 | 40 | 15 | 13 | 88.29 |
| 2032 | 2 | 36 | 13 | 11 | 90.05 |
| 2033 | 2 | 34 | 12 | 11 | 91.85 |
| 2034 | 2 | 30 | 11 | 10 | 93.69 |
| 2035 | 2 | 27 | 10 | 9 | 95.56 |
| 2036 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0.00 |
| 2038 | 0 | 0 | 0 | 0 | 0.00 |
| 2039 | 0 | 0 | 0 | 0 | 0.00 |
| 2040 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | 390 | 342 | 75.67 |

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 | Company Interest | Pre-Processing | | | | | | Fixed | Variable | Total |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | M\$ | M\$ | M\$ | M\$ | M\$ |
| 2019 | 2,883 | 0 | 0 | 2,883 | 0 | 2,883 | 360 | 0 | 0 | 0 | 360 | 2,523 | 584 | 461 | 1,045 |
| 2020 | 2,724 | 0 | 0 | 2,724 | 0 | 2,724 | 341 | 0 | 0 | 0 | 341 | 2,384 | 597 | 410 | 1,007 |
| 2021 | 2,494 | 0 | 0 | 2,494 | 0 | 2,494 | 312 | 0 | 0 | 0 | 312 | 2,182 | 611 | 368 | 979 |
| 2022 | 2,281 | 0 | 0 | 2,281 | 0 | 2,281 | 285 | 0 | 0 | 0 | 285 | 1,996 | 624 | 335 | 959 |
| 2023 | 2,099 | 0 | 0 | 2,099 | 0 | 2,099 | 262 | 0 | 0 | 0 | 262 | 1,837 | 617 | 304 | 921 |
| 2024 | 1,974 | 0 | 0 | 1,974 | 0 | 1,974 | 247 | 0 | 0 | 0 | 247 | 1,728 | 631 | 282 | 913 |
| 2025 | 1,844 | 0 | 0 | 1,844 | 0 | 1,844 | 231 | 0 | 0 | 0 | 231 | 1,614 | 639 | 261 | 900 |
| 2026 | 1,715 | 0 | 0 | 1,715 | 0 | 1,715 | 214 | 0 | 0 | 0 | 214 | 1,501 | 635 | 239 | 874 |
| 2027 | 1,616 | 0 | 0 | 1,616 | 0 | 1,616 | 202 | 0 | 0 | 0 | 202 | 1,414 | 649 | 225 | 874 |
| 2028 | 1,534 | 0 | 0 | 1,534 | 0 | 1,534 | 192 | 0 | 0 | 0 | 192 | 1,342 | 663 | 214 | 876 |
| 2029 | 1,453 | 0 | 0 | 1,453 | 0 | 1,453 | 182 | 0 | 0 | 0 | 182 | 1,272 | 677 | 203 | 879 |
| 2030 | 1,386 | 0 | 0 | 1,386 | 0 | 1,386 | 173 | 0 | 0 | 0 | 173 | 1,212 | 691 | 193 | 884 |
| 2031 | 1,281 | 0 | 0 | 1,281 | 0 | 1,281 | 160 | 0 | 0 | 0 | 160 | 1,121 | 687 | 178 | 865 |
| 2032 | 1,180 | 0 | 0 | 1,180 | 0 | 1,180 | 147 | 0 | 0 | 0 | 147 | 1,032 | 667 | 164 | 831 |
| 2033 | 1,129 | 0 | 0 | 1,129 | 0 | 1,129 | 141 | 0 | 0 | 0 | 141 | 988 | 681 | 157 | 838 |
| 2034 | 1,023 | 0 | 0 | 1,023 | 0 | 1,023 | 128 | 0 | 0 | 0 | 128 | 895 | 666 | 143 | 809 |
| 2035 | 931 | 0 | 0 | 931 | 0 | 931 | 116 | 0 | 0 | 0 | 116 | 815 | 654 | 130 | 784 |
| 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 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 29,548 | 0 | 0 | 29,548 | 0 | 29,548 | 3,694 | 0 | 0 | 0 | 3,694 | 25,855 | 10,973 | 4,266 | 15,239 |
| Disc | 16,839 | 0 | 0 | 16,839 | 0 | 16,839 | 2,105 | 0 | 0 | 0 | 2,105 | 14,734 | 5,321 | 2,471 | 7,792 |

| 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 | 1,478 | 0 | 0 | 1,478 | 0 | 0 | 0 | 0 | 1,478 | 1,478 | 1,409 |
| 2020 | 0 | 0 | 0 | 1,376 | 0 | 0 | 1,376 | 0 | 0 | 0 | 0 | 1,376 | 2,855 | 2,603 |
| 2021 | 0 | 0 | 0 | 1,204 | 0 | 0 | 1,204 | 0 | 0 | 0 | 0 | 1,204 | 4,058 | 3,551 |
| 2022 | 0 | 0 | 0 | 1,036 | 0 | 0 | 1,036 | 0 | 0 | 0 | 0 | 1,036 | 5,095 | 4,294 |
| 2023 | 0 | 0 | 0 | 916 | 0 | 0 | 916 | 0 | 0 | 0 | 0 | 916 | 6,011 | 4,890 |
| 2024 | 0 | 0 | 0 | 814 | 0 | 0 | 814 | 0 | 0 | 0 | 0 | 814 | 6,825 | 5,372 |
| 2025 | 0 | 0 | 0 | 714 | 0 | 0 | 714 | 0 | 0 | 0 | 0 | 714 | 7,539 | 5,756 |
| 2026 | 0 | 0 | 0 | 627 | 0 | 0 | 627 | 0 | 0 | 0 | 0 | 627 | 8,166 | 6,063 |
| 2027 | 0 | 0 | 0 | 541 | 0 | 11 | 529 | 0 | 0 | 0 | 0 | 529 | 8,695 | 6,298 |
| 2028 | 0 | 0 | 0 | 465 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 465 | 9,160 | 6,486 |
| 2029 | 0 | 0 | 0 | 392 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 392 | 9,552 | 6,631 |
| 2030 | 0 | 0 | 0 | 328 | 0 | 12 | 316 | 0 | 0 | 0 | 0 | 316 | 9,868 | 6,736 |
| 2031 | 0 | 0 | 0 | 256 | 0 | 0 | 256 | 0 | 0 | 0 | 0 | 256 | 10,124 | 6,814 |
| 2032 | 0 | 0 | 0 | 201 | 0 | 0 | 201 | 0 | 0 | 0 | 0 | 201 | 10,325 | 6,869 |
| 2033 | 0 | 0 | 0 | 150 | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 150 | 10,474 | 6,907 |
| 2034 | 0 | 0 | 0 | 87 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 87 | 10,561 | 6,927 |
| 2035 | 0 | 0 | 0 | 31 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 | 10,592 | 6,933 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 27 | -27 | 0 | 0 | 0 | 0 | -27 | 10,564 | 6,928 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,564 | 6,928 |
| 2038 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,564 | 6,928 |
| 2039 | 0 | 0 | 0 | 0 | 0 | 15 | -15 | 0 | 0 | 0 | 0 | -15 | 10,550 | 6,926 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 134 | -134 | 0 | 0 | 0 | 0 | -134 | 10,416 | 6,909 |
| Tot. | 0 | 0 | 0 | 10,615 | 0 | 199 | 10,416 | 0 | 0 | 0 | 0 | 10,416 | 10,416 | 6,909 |
| Disc | 0 | 0 | 0 | 6,942 | 0 | 34 | 6,909 | 0 | 0 | 0 | 0 | 6,909 | 6,909 | 6,909 |

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 |
| Light/Med Oil | Mbbl | 390 | 0 | 390 | 342 | 1,000 | 390 | 100 | 17.0 | 8.2 | 5.3 |
| Total: Oil Eq. | Mboe | 390 | 0 | 390 | 342 | 1,000 | 390 | 100 | 17.0 | 8.2 | 5.3 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| | Net Present Value Before Income Tax | | | | | | | |
|-------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|--------|--------|
| | Revenue Burdens (%) | | | | Cash Flow | | | |
| | Initial | Average | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | M\$ | \$/boe |
| Crown Royalty | 12.5000 | 12.5000 | 0 | 10,615 | 10,416 | 0 | 10,416 | 26.68 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 8,417 | 8,338 | 0 | 8,338 | 21.35 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 7,467 | 7,421 | 0 | 7,421 | 19.00 |
| | | | 10 | 6,942 | 6,909 | 0 | 6,909 | 17.69 |
| | | | 12 | 6,486 | 6,461 | 0 | 6,461 | 16.55 |
| | | | 15 | 5,904 | 5,888 | 0 | 5,888 | 15.08 |
| | | | 20 | 5,143 | 5,135 | 0 | 5,135 | 13.15 |

Evaluator: Olenick, Patrick A.
Run Date: February 13, 2019 13:47:25

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 with necessary modifications to reflect definitions and standards under the U.S. Financial Accounting Standards Board (FASB) standards and the requirements of the U.S. Securities and Exchange Commission (SEC). Both the SEC definitions and the COGE Handbook reserves definitions follow.

SEC RESERVES DEFINITIONS

The following definitions are excerpts from Regulation S-X 210.4-10. Portions of these definitions within square parentheses, [], have been transposed from other sections of Regulation S-X 210.4-10 to improve readability.

Resources

Resources are quantities of oil and gas estimated to exist in naturally occurring accumulations. A portion of the resources may be estimated to be recoverable, and another portion may be considered to be unrecoverable. Resources include both discovered and undiscovered accumulations.

Reserves

Reserves are estimated remaining quantities of oil and gas and related substances anticipated to be economically producible, as of a given date, by application of development projects to known accumulations. In addition, there must exist, or there must be a reasonable expectation that there will exist, the legal right to produce or a revenue interest in the production, installed means of delivering oil and gas or related substances to market, and all permits and financing required to implement the project.

Note: Reserves should not be assigned to adjacent reservoirs isolated by major, potentially sealing, faults until those reservoirs are penetrated and evaluated as economically producible. Reserves should not be assigned to areas that are clearly separated from a known accumulation by a non-productive reservoir (i.e. , absence of reservoir, structurally low reservoir, or negative test results). Such areas may contain prospective resources (i.e., potentially recoverable resources from undiscovered accumulations).

Proved Oil and Gas Reserves

Proved oil and gas reserves are those quantities of oil and gas, which, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be economically producible—from a given date forward, from known reservoirs, and under existing economic conditions, operating methods, and government regulations—prior to the time at which contracts providing the right to operate expire, unless evidence indicates that renewal is reasonably certain, regardless of whether deterministic or probabilistic methods are used for the estimation. The project to extract the hydrocarbons must have commenced or the operator must be reasonably certain that it will commence the project within a reasonable time.

- (i) The area of the reservoir considered as proved includes:
 - (A) The area identified by drilling and limited by fluid contacts, if any, and
 - (B) Adjacent undrilled portions of the reservoir that can, with reasonable certainty, be judged to be continuous with it and to contain economically producible oil or gas on the basis of available geoscience and engineering data.

- (ii) In the absence of data on fluid contacts, proved quantities in a reservoir are limited by the lowest known hydrocarbons (LKH) as seen in a well penetration unless geoscience, engineering, or performance data and reliable technology establishes a lower contact with reasonable certainty.
- (iii) Where direct observation from well penetrations has defined a highest known oil (HKO) elevation and the potential exists for an associated gas cap, proved oil reserves may be assigned in the structurally higher portions of the reservoir only if geoscience, engineering, or performance data and reliable technology establish the higher contact with reasonable certainty.
- (iv) Reserves which can be produced economically through application of improved recovery techniques (including, but not limited to, fluid injection) are included in the proved classification when:
 - (A) Successful testing by a pilot project in an area of the reservoir with properties no more favorable than in the reservoir as a whole, the operation of an installed program in the reservoir or an analogous reservoir, or other evidence using reliable technology establishes the reasonable certainty of the engineering analysis on which the project or program was based; and
 - (B) The project has been approved for development by all necessary parties and entities, including governmental entities.
- (v) Existing economic conditions include prices and costs at which economic producibility from a reservoir is to be determined. The price shall be the average price during the 12-month period prior to the ending date of the period covered by the report, determined as an unweighted arithmetic average of the first-day-of-the-month price for each month within such period, unless prices are defined by contractual arrangements, excluding escalations based upon future conditions.

Probable Reserves

Probable reserves are those additional reserves that are less certain to be recovered than proved reserves but which, together with proved reserves, are as likely as not to be recovered.

- (i) When deterministic methods are used, it is as likely as not that actual remaining quantities recovered will exceed the sum of estimated proved plus probable reserves. When probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the proved plus probable reserves estimates.
- (ii) Probable reserves may be assigned to areas of a reservoir adjacent to proved reserves where data control or interpretations of available data are less certain, even if the interpreted reservoir continuity of structure or productivity does not meet the reasonable certainty criterion. Probable reserves may be assigned to areas that are structurally higher than the proved area if these areas are in communication with the proved reservoir.
- (iii) Probable reserves estimates also include potential incremental quantities associated with a greater percentage recovery of the hydrocarbons in place than assumed for proved reserves.
- (iv) *[The proved plus probable and proved plus probable plus possible reserves estimates must be based on reasonable alternative technical and commercial interpretations within the reservoir or subject project that are clearly documented, including comparisons to results in successful similar projects.]*

[Where direct observation has defined a highest known oil (HKO) elevation and the potential exists for an associated gas cap, proved oil reserves should be assigned in the structurally higher portions of the reservoir above the HKO only if the higher contact can be established with reasonable certainty through

reliable technology. Portions of the reservoir that do not meet this reasonable certainty criterion may be assigned as probable and possible oil or gas based on reservoir fluid properties and pressure gradient interpretations.]

Possible Reserves

Possible reserves are those additional reserves that are less certain to be recovered than probable reserves.

- (i) When deterministic methods are used, the total quantities ultimately recovered from a project have a low probability of exceeding proved plus probable plus possible reserves. When probabilistic methods are used, there should be at least a 10% probability that the total quantities ultimately recovered will equal or exceed the proved plus probable plus possible reserves estimates.
- (ii) Possible reserves may be assigned to areas of a reservoir adjacent to probable reserves where data control and interpretations of available data are progressively less certain. Frequently, this will be in areas where geoscience and engineering data are unable to define clearly the area and vertical limits of commercial production from the reservoir by a defined project.
- (iii) Possible reserves also include incremental quantities associated with a greater percentage recovery of the hydrocarbons in place than the recovery quantities assumed for probable reserves.
- (iv) The proved plus probable and proved plus probable plus possible reserves estimates must be based on reasonable alternative technical and commercial interpretations within the reservoir or subject project that are clearly documented, including comparisons to results in successful similar projects.
- (v) Possible reserves may be assigned where geoscience and engineering data identify directly adjacent portions of a reservoir within the same accumulation that may be separated from proved areas by faults with displacement less than formation thickness or other geological discontinuities and that have not been penetrated by a wellbore, and the registrant believes that such adjacent portions are in communication with the known (proved) reservoir. Possible reserves may be assigned to areas that are structurally higher or lower than the proved area if these areas are in communication with the proved reservoir.
- (vi) Where direct observation has defined a highest known oil (HKO) elevation and the potential exists for an associated gas cap, proved oil reserves should be assigned in the structurally higher portions of the reservoir above the HKO only if the higher contact can be established with reasonable certainty through reliable technology. Portions of the reservoir that do not meet this reasonable certainty criterion may be assigned as probable and possible oil or gas based on reservoir fluid properties and pressure gradient interpretations.

Developed Oil and Gas Reserves

Developed oil and gas reserves are reserves of any category that can be expected to be recovered:

- (i) Through existing wells with existing equipment and operating methods or in which the cost of the required equipment is relatively minor compared to the cost of a new well; and
- (ii) Through installed extraction equipment and infrastructure operational at the time of the reserves estimate if the extraction is by means not involving a well.

Undeveloped Oil and Gas Reserves

Undeveloped oil and gas reserves are reserves of any category that are expected to be recovered from new wells on undrilled acreage, or from existing wells where a relatively major expenditure is required for recompletion.

- (i) Reserves on undrilled acreage shall be limited to those directly offsetting development spacing areas that are reasonably certain of production when drilled, unless evidence using reliable technology exists that establishes reasonable certainty of economic producibility at greater distances.
- (ii) Undrilled locations can be classified as having undeveloped reserves only if a development plan has been adopted indicating that they are scheduled to be drilled within five years, unless the specific circumstances, justify a longer time.
- (iii) Under no circumstances shall estimates for undeveloped reserves be attributable to any acreage for which an application of fluid injection or other improved recovery technique is contemplated, unless such techniques have been proved effective by actual projects in the same reservoir or an analogous reservoir [see Other Definitions below], or by other evidence using reliable technology establishing reasonable certainty.

Other Pertinent Definitions

Analogous Reservoir

Analogous reservoirs, as used in resources assessments, have similar rock and fluid properties, reservoir conditions (depth, temperature, and pressure) and drive mechanisms, but are typically at a more advanced stage of development than the reservoir of interest and thus may provide concepts to assist in the interpretation of more limited data and estimation of recovery. When used to support proved reserves, an “analogous reservoir” refers to a reservoir that shares the following characteristics with the reservoir of interest:

- (i) Same geological formation (but not necessarily in pressure communication with the reservoir of interest);
- (ii) Same environment of deposition;
- (iii) Similar geological structure; and
- (iv) Same drive mechanism.

Reasonable Certainty

If deterministic methods are used, reasonable certainty means a high degree of confidence that the quantities will be recovered. If probabilistic methods are used, there should be at least a 90% probability that the quantities actually recovered will equal or exceed the estimate. A high degree of confidence exists if the quantity is much more likely to be achieved than not, and, as changes due to increased availability of geoscience (geological, geophysical, and geochemical), engineering, and economic data are made to estimated ultimate recovery (EUR) with time, reasonably certain EUR is much more likely to increase or remain constant than to decrease.

Reliable Technology

Reliable technology is a grouping of one or more technologies (including computational methods) that has been field tested and has been demonstrated to provide reasonably certain results with consistency and repeatability in the formation being evaluated or in an analogous formation.

Reservoir

A porous and permeable underground formation containing a natural accumulation of producible oil and/or gas that is confined by impermeable rock or water barriers and is individual and separate from other reservoirs.

COGE HANDBOOK DEFINITIONS

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.

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.

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.,

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).**

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.

Incorporation of the COGE Handbook guidelines means that total corporate proved reserves reflect a conservative estimate and proved plus probable reserves reflect a current “best estimate” of the oil and gas quantities which will be recovered. In the evaluated properties, there is no material difference between proved reserves determined applying COGE and SEC standards versus estimates which would result under application of only one of these standards.

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

Individual property evaluation reports contain 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

TABLE OF CONTENTS

INTEREST DESCRIPTIONS

WELL DATA

ACCOUNTING SUMMARY

PRODUCTION FORECASTS

ECONOMIC PARAMETERS

OIL EQUIVALENT OR GAS EQUIVALENT

CONSTANT PRICE ANALYSIS

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, 2017, 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 and inactive wells in active properties; operating costs for 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) Oil and gas production is subject to a 12.5 percent royalty.
- f) Field level overhead charges have been included; recovery of overhead expenses has not been included.
- g) The Company's office G&A costs have not been included.
- h) 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 five years after the

last year of production for each well. Additional abandonment and reclamation costs associated with 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.

CONSTANT PRICE ANALYSIS

In the constant price analysis, individual property economic forecasts were rerun using zero inflation and with a fixed price that reflects the average of the first-day-of-month reference prices for the 12 months prior to the effective date of this report. Additional clarification and results are presented in the Constant Price Analysis section of this report.

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 |
| sgc | 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

TABLE OF CONTENTS

| | <u>Page</u> |
|---|-------------|
| GLJ (2019-01) PRODUCT PRICE AND MARKET FORECASTS | 46 |
| SEC 2018-DEC-31 POSTED (12 MONTH AVG.) | 51 |

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 % | CADUSD Exchange Rate USD/CAD | NYMEX WTI Near Month Contract Crude Oil at Cushing, OK | | Brent Blend Crude Oil | 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 | Then Current CAD/bbl | Spec Ethane CAD/bbl | Edmonton Propane CAD/bbl | Edmonton Butane CAD/bbl | Edmonton CS+ 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.

Revised 2018-12-31

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

| Year | NYMEX Henry Hub | | Midwest | AECO/NIT | Alliance | Alberta | | | Saskatchewan Plant Gate | | | British Columbia | | Sulphur | Alberta |
|----------------|---------------------|-----------|-----------|-----------|---------------|------------|-----------|-----------|-------------------------|-----------|------------|------------------|------------|-----------|----------|
| | Near Month Contract | | Price at | Spot | Transfer Pool | Plant Gate | | | Plant Gate | | | | | FOB | Sulphur |
| | Constant | Then | Then | Then | Then | Constant | Then | ARP | SaskEnergy | Spot | Sumas Spot | Westcoast | Spot | Vancouver | at Plant |
| | 2019 \$ | Current | Current | Current | Current | 2019 \$ | Current | CAD/MMBtu | CAD/MMBtu | CAD/MMBtu | CAD/MMBtu | Station 2 | 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 | 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.

Revised 2018-12-31

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 USD/CAD | Exchange Rate USD/GBP | Exchange Rate USD/EUR | 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 |
| 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.

Revised 2018-12-31

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

Table 1
GLJ Petroleum Consultants
Crude Oil and Natural Gas Liquids
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| Inflation % | CADUSD Exchange Rate USD/CAD | NYMEX WTI Near Month Futures Contract Crude Oil at Cushing, Oklahoma | | Brent Blend Crude Oil FOB North Sea | Light, Sweet 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 | Then Current CAD/bbl | Spec Ethane CAD/bbl | Edmonton Propane CAD/bbl | Edmonton Butane CAD/bbl |
| 0.0 | 0.7754 | 65.56 | 65.56 | 71.54 | 70.07 | 50.41 | 50.44 | 40.76 | 73.74 | 70.42 | 4.35 | 27.77 | 33.82 | 79.39 |

Table 2
GLJ Petroleum Consultants
Natural Gas and Sulphur
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| 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 \$ USD/MMBtu | Then Current USD/MMBtu | Then Current USD/MMBtu | Then Current CAD/MMBtu | Then Current CAD/MMBtu | Constant 2019 \$ CAD/MMBtu | Then Current CAD/MMBtu | ARP CAD/MMBtu | SaskEnergy CAD/MMBtu | Spot CAD/MMBtu | Sumas Spot USD/MMBtu | Westcoast Station 2 CAD/MMBtu | Spot Plant Gate CAD/MMBtu | USD/lt | CAD/lt |
| 3.10 | 3.10 | 3.05 | 1.46 | 1.46 | 1.25 | 1.25 | 1.25 | 1.35 | 1.56 | 2.70 | 1.44 | 1.23 | 136.71 | 126.31 |

Table 3
GLJ Petroleum Consultants
International
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| 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/MMBtu | Then Current CAD/MMBtu | Then Current USD/MMBtu | Then Current CAD/MMBtu | | |
| 0.0 | 0.7754 | 1.3379 | 1.1827 | 65.56 | 84.55 | 70.52 | 90.95 | 63.04 | 81.30 | 71.54 | 92.26 | 3.10 | 4.00 | 7.78 | 10.03 |

Table 4
GLJ Petroleum Consultants
US Liquids and Natural Gas
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| US Natural Gas Liquids (Then Current Dollars) | | | | | | | | US Natural Gas (Then Current Dollars) | |
|--|--------------------|-------------------|-----------------------|-------------------|--------------------|-------------------|-----------------------|--|---|
| Conway | | | | Mont Belvieu | | | | Rockies Natural Gas USD/MMBtu | Algonquin City-Gates Natural Gas USD/MMBtu |
| 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 | | |
| 6.05 | 31.32 | 39.74 | 54.71 | 13.50 | 37.65 | 45.61 | 60.42 | 2.74 | 3.22 |

CONSTANT PRICE ANALYSIS**TABLE OF CONTENTS**

| | Page |
|---|-------------|
| SUMMARY OF RESERVES AND VALUES | 55 |
| COMPANY PRODUCTION, RESERVES AND PRESENT VALUE SUMMARY | 56 |
| ECONOMIC FORECASTS | |
| Proved Producing | 57 |
| Total Proved | 58 |
| Total Probable | 59 |
| Total Proved Plus Probable | 60 |
| Total Possible | 61 |
| Total PPP | 62 |

CONSTANT PRICE ANALYSIS

DISCUSSION

This section provides economic forecasts based on current costs and constant prices as follows:

The average of the first day posted prices in each of the 12 months of the Company's fiscal year (consistent with U.S. SEC rules).

Historical price adjustments relating to factors such as product quality and transportation were applied on an individual property basis in cash flow calculations.

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

| | Proved Producing | Proved Developed Non- Producing | Proved Undevelope d | Total Proved | Total Probable | Total Proved Plus Probable | Total Possible | Total PPP |
|---|---------------------|--|---------------------------|-----------------|-------------------|-------------------------------------|-------------------|--------------|
| MARKETABLE RESERVES | | | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 224 | 0 | 0 | 224 | 60 | 283 | 58 | 342 |
| Oil Equivalent (Mboe) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 224 | 0 | 0 | 224 | 60 | 283 | 58 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,799 | 0 | 0 | 6,799 | 1,755 | 8,554 | 1,614 | 10,169 |
| 5% | 5,977 | 0 | 0 | 5,977 | 1,278 | 7,255 | 1,083 | 8,339 |
| 8% | 5,569 | 0 | 0 | 5,569 | 1,074 | 6,643 | 874 | 7,517 |
| 10% | 5,326 | 0 | 0 | 5,326 | 963 | 6,289 | 764 | 7,054 |
| 12% | 5,104 | 0 | 0 | 5,104 | 868 | 5,972 | 673 | 6,645 |
| 15% | 4,805 | 0 | 0 | 4,805 | 749 | 5,554 | 564 | 6,118 |
| 20% | 4,381 | 0 | 0 | 4,381 | 599 | 4,980 | 434 | 5,414 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | | | | | | | |
| 2019 | 1,750 | 0 | 0 | 1,750 | 38 | 1,787 | 22 | 1,809 |
| 2020 | 1,354 | 0 | 0 | 1,354 | 93 | 1,446 | 56 | 1,502 |
| 2021 | 1,047 | 0 | 0 | 1,047 | 124 | 1,171 | 79 | 1,251 |
| 2022 | 812 | 0 | 0 | 812 | 146 | 958 | 94 | 1,052 |
| 2023 | 622 | 0 | 0 | 622 | 164 | 786 | 103 | 889 |
| 2024 | 481 | 0 | 0 | 481 | 156 | 636 | 121 | 757 |

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: February 22, 2019 08:13:21

1192041 Class (A,B1,B2,C,F,I,O,R), SEC 2018-Dec-31 Posted (12 Month Avg.), psum

February 22, 2019 09:14:25

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 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 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 224 | 0 | 0 | 224 | 5.5 | 6,799 | 5,977 | 5,569 | 5,326 | 5,104 |
| Proved Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Proved Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| Total Proved | 0 | 127 | 0 | 127 | 0 | 255 | 0 | 0 | 255 | 0 | 224 | 0 | 0 | 224 | 5.5 | 6,799 | 5,977 | 5,569 | 5,326 | 5,104 |
| Total Probable | 0 | 2 | 0 | 2 | 0 | 69 | 0 | 0 | 69 | 0 | 60 | 0 | 0 | 60 | 90.9 | 1,755 | 1,278 | 1,074 | 963 | 868 |
| Total Proved Plus Probable | 0 | 129 | 0 | 129 | 0 | 324 | 0 | 0 | 324 | 0 | 283 | 0 | 0 | 283 | 6.9 | 8,554 | 7,255 | 6,643 | 6,289 | 5,972 |
| Total Possible | 0 | 1 | 0 | 1 | 0 | 66 | 0 | 0 | 66 | 0 | 58 | 0 | 0 | 58 | 153.5 | 1,614 | 1,083 | 874 | 764 | 673 |
| Total PPP | 0 | 130 | 0 | 130 | 0 | 390 | 0 | 0 | 390 | 0 | 342 | 0 | 0 | 342 | 8.2 | 10,169 | 8,339 | 7,517 | 7,054 | 6,645 |

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: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Proved**
 Development Class: **Producing**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | |
|-------------|----------------------|-------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|--------------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 15 | 793 | 289 | 41 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 793 | 289 | 41 |
| 2020 | 15 | 657 | 240 | 34 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 657 | 240 | 34 |
| 2021 | 15 | 548 | 200 | 28 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 548 | 200 | 28 |
| 2022 | 14 | 464 | 169 | 24 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 464 | 169 | 24 |
| 2023 | 13 | 395 | 144 | 20 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 395 | 144 | 20 |
| 2024 | 13 | 347 | 126 | 18 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 347 | 126 | 18 |
| 2025 | 13 | 299 | 109 | 15 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 299 | 109 | 15 |
| 2026 | 12 | 262 | 95 | 13 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 262 | 95 | 13 |
| 2027 | 11 | 229 | 83 | 12 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 229 | 83 | 12 |
| 2028 | 11 | 205 | 75 | 11 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 205 | 75 | 11 |
| 2029 | 9 | 161 | 59 | 8 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 161 | 59 | 8 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 |
| Sub. | | | 1,590 | 224 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 1,590 | 224 |
| Rem. | | | 0 | 0 | 0.00 | | | 0 | 0.00 | | | 0 | 0.00 | | 0 | 0 |
| Tot. | | | 1,590 | 224 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 1,590 | 224 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investmt | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|---------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|------------------|----------------------|--------------|----------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Disc M\$ |
| 2019 | 3,180 | 0 | 3,180 | 397 | 0 | 2,782 | 1,033 | 0 | 0 | 0 | 1,750 | 0 | 1,750 | 1,750 | 1,668 |
| 2020 | 2,641 | 0 | 2,641 | 330 | 0 | 2,311 | 957 | 0 | 0 | 0 | 1,354 | 0 | 1,354 | 3,103 | 2,841 |
| 2021 | 2,207 | 0 | 2,207 | 276 | 0 | 1,931 | 884 | 0 | 0 | 0 | 1,047 | 0 | 1,047 | 4,150 | 3,666 |
| 2022 | 1,872 | 0 | 1,872 | 234 | 0 | 1,638 | 826 | 0 | 0 | 0 | 812 | 0 | 812 | 4,962 | 4,248 |
| 2023 | 1,594 | 0 | 1,594 | 199 | 0 | 1,394 | 773 | 0 | 0 | 0 | 622 | 0 | 622 | 5,584 | 4,653 |
| 2024 | 1,403 | 0 | 1,403 | 175 | 0 | 1,227 | 747 | 0 | 0 | 0 | 481 | 0 | 481 | 6,065 | 4,938 |
| 2025 | 1,210 | 0 | 1,210 | 151 | 0 | 1,059 | 709 | 0 | 0 | 0 | 350 | 0 | 350 | 6,415 | 5,126 |
| 2026 | 1,058 | 0 | 1,058 | 132 | 0 | 926 | 679 | 0 | 0 | 10 | 237 | 0 | 237 | 6,652 | 5,242 |
| 2027 | 923 | 0 | 923 | 115 | 0 | 808 | 641 | 0 | 0 | 10 | 157 | 0 | 157 | 6,809 | 5,312 |
| 2028 | 826 | 0 | 826 | 103 | 0 | 723 | 625 | 0 | 0 | 0 | 98 | 0 | 98 | 6,907 | 5,352 |
| 2029 | 630 | 0 | 630 | 79 | 0 | 552 | 542 | 0 | 0 | 0 | 10 | 0 | 10 | 6,917 | 5,355 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | -10 | 0 | -10 | 6,907 | 5,352 |
| Sub. | 17,544 | 0 | 17,544 | 2,193 | 0 | 15,351 | 8,414 | 0 | 0 | 29 | 6,907 | 0 | 6,907 | 6,907 | 5,352 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | -108 | 0 | -108 | 6,799 | 5,326 |
| Tot. | 17,544 | 0 | 17,544 | 2,193 | 0 | 15,351 | 8,414 | 0 | 0 | 137 | 6,799 | 0 | 6,799 | 6,799 | 5,326 |
| Disc | 12,415 | 0 | 12,415 | 1,552 | 0 | 10,863 | 5,498 | 0 | 0 | 38 | 5,326 | 0 | 5,326 | 5,326 | 5,326 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | Disc % | NPV Metrics - Co. Int. | | |
|----------------|-------|------------------------------------|------------------|---------------|-------|----------------|-----------------|------------|--------------|--------------------------|--------|--------|------------------------|--------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Index | Rate % | | NPV M\$ | \$/boe | \$ per 1st yr boe/d |
| | | | | | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 0 | 6,799 | 26.62 | 53,605 | |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 5 | 5,977 | 23.40 | 47,121 | |
| Total: Gas Eq. | MMcfe | 1,533 | 0 | 1,533 | 1,341 | | | | | | 8 | 5,569 | 21.80 | 43,904 | |
| | | | | | | | | | | | 10 | 5,326 | 20.85 | 41,991 | |
| | | | | | | | | | | | 12 | 5,104 | 19.98 | 40,240 | |
| | | | | | | | | | | | 15 | 4,805 | 18.81 | 37,880 | |
| | | | | | | | | | | | 20 | 4,381 | 17.15 | 34,539 | |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Proved**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | |
|-------------|----------------------|-------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|--------------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 15 | 793 | 289 | 41 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 793 | 289 | 41 |
| 2020 | 15 | 657 | 240 | 34 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 657 | 240 | 34 |
| 2021 | 15 | 548 | 200 | 28 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 548 | 200 | 28 |
| 2022 | 14 | 464 | 169 | 24 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 464 | 169 | 24 |
| 2023 | 13 | 395 | 144 | 20 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 395 | 144 | 20 |
| 2024 | 13 | 347 | 126 | 18 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 347 | 126 | 18 |
| 2025 | 13 | 299 | 109 | 15 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 299 | 109 | 15 |
| 2026 | 12 | 262 | 95 | 13 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 262 | 95 | 13 |
| 2027 | 11 | 229 | 83 | 12 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 229 | 83 | 12 |
| 2028 | 11 | 205 | 75 | 11 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 205 | 75 | 11 |
| 2029 | 9 | 161 | 59 | 8 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 161 | 59 | 8 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 |
| Sub. | | | 1,590 | 224 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 1,590 | 224 |
| Rem. | | | 0 | 0 | 0.00 | | | 0 | 0.00 | | | 0 | 0.00 | | 0 | 0 |
| Tot. | | | 1,590 | 224 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 1,590 | 224 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investmt | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|---------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|------------------|----------------------|--------------|---------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 3,180 | 0 | 3,180 | 397 | 0 | 2,782 | 1,033 | 0 | 0 | 0 | 1,750 | 0 | 1,750 | 1,750 | 1,668 |
| 2020 | 2,641 | 0 | 2,641 | 330 | 0 | 2,311 | 957 | 0 | 0 | 0 | 1,354 | 0 | 1,354 | 3,103 | 2,841 |
| 2021 | 2,207 | 0 | 2,207 | 276 | 0 | 1,931 | 884 | 0 | 0 | 0 | 1,047 | 0 | 1,047 | 4,150 | 3,666 |
| 2022 | 1,872 | 0 | 1,872 | 234 | 0 | 1,638 | 826 | 0 | 0 | 0 | 812 | 0 | 812 | 4,962 | 4,248 |
| 2023 | 1,594 | 0 | 1,594 | 199 | 0 | 1,394 | 773 | 0 | 0 | 0 | 622 | 0 | 622 | 5,584 | 4,653 |
| 2024 | 1,403 | 0 | 1,403 | 175 | 0 | 1,227 | 747 | 0 | 0 | 0 | 481 | 0 | 481 | 6,065 | 4,938 |
| 2025 | 1,210 | 0 | 1,210 | 151 | 0 | 1,059 | 709 | 0 | 0 | 0 | 350 | 0 | 350 | 6,415 | 5,126 |
| 2026 | 1,058 | 0 | 1,058 | 132 | 0 | 926 | 679 | 0 | 0 | 10 | 237 | 0 | 237 | 6,652 | 5,242 |
| 2027 | 923 | 0 | 923 | 115 | 0 | 808 | 641 | 0 | 0 | 10 | 157 | 0 | 157 | 6,809 | 5,312 |
| 2028 | 826 | 0 | 826 | 103 | 0 | 723 | 625 | 0 | 0 | 0 | 98 | 0 | 98 | 6,907 | 5,352 |
| 2029 | 630 | 0 | 630 | 79 | 0 | 552 | 542 | 0 | 0 | 0 | 10 | 0 | 10 | 6,917 | 5,355 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | -10 | 0 | -10 | 6,907 | 5,352 |
| Sub. | 17,544 | 0 | 17,544 | 2,193 | 0 | 15,351 | 8,414 | 0 | 0 | 29 | 6,907 | 0 | 6,907 | 6,907 | 5,352 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | -108 | 0 | -108 | 6,799 | 5,326 |
| Tot. | 17,544 | 0 | 17,544 | 2,193 | 0 | 15,351 | 8,414 | 0 | 0 | 137 | 6,799 | 0 | 6,799 | 6,799 | 5,326 |
| Disc | 12,415 | 0 | 12,415 | 1,552 | 0 | 10,863 | 5,498 | 0 | 0 | 38 | 5,326 | 0 | 5,326 | 5,326 | 5,326 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | Disc % | NPV Metrics - Co. Int. | | |
|----------------|-------|------------------------------------|------------------|---------------|-------|----------------|-----------------|------------|--------------|--------------------------|--------|--------|------------------------|--------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Life Index | Rate % | | NPV M\$ | \$/boe | \$ per 1st yr boe/d |
| | | | | | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 0 | 6,799 | 26.62 | 53,605 | |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 5 | 5,977 | 23.40 | 47,121 | |
| Total: Gas Eq. | MMcfe | 1,533 | 0 | 1,533 | 1,341 | | | | | | 8 | 5,569 | 21.80 | 43,904 | |
| | | | | | | | | | | | 10 | 5,326 | 20.85 | 41,991 | |
| | | | | | | | | | | | 12 | 5,104 | 19.98 | 40,240 | |
| | | | | | | | | | | | 15 | 4,805 | 18.81 | 37,880 | |
| | | | | | | | | | | | 20 | 4,381 | 17.15 | 34,539 | |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Probable**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | |
|-------------|----------------------|-------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|--------------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 0 | 12 | 4 | 1 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 12 | 4 | 1 |
| 2020 | 0 | 30 | 11 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 30 | 11 | 2 |
| 2021 | 0 | 44 | 16 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 44 | 16 | 2 |
| 2022 | 0 | 49 | 18 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 49 | 18 | 3 |
| 2023 | 1 | 59 | 21 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 59 | 21 | 3 |
| 2024 | 1 | 53 | 19 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 53 | 19 | 3 |
| 2025 | 0 | 57 | 21 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 57 | 21 | 3 |
| 2026 | 1 | 61 | 22 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 61 | 22 | 3 |
| 2027 | 2 | 65 | 24 | 4 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 65 | 24 | 4 |
| 2028 | 2 | 59 | 21 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 59 | 21 | 3 |
| 2029 | 2 | 72 | 26 | 4 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 72 | 26 | 4 |
| 2030 | 11 | 214 | 78 | 11 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 214 | 78 | 11 |
| Sub. | | | 283 | 42 | 68.68 | | | | 0.00 | | | | 0.00 | | 283 | 42 |
| Rem. | | | 130 | 18 | 68.68 | | | | 0.00 | | | | 0.00 | | 130 | 18 |
| Tot. | | | 412 | 60 | 68.68 | | 0 | 0 | 0.00 | | 0 | 0 | 0.00 | | 412 | 60 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investment | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|--------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|--------------------|----------------------|--------------|----------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Disc M\$ |
| 2019 | 52 | 0 | 52 | 6 | 0 | 45 | 8 | 0 | 0 | 0 | 38 | 0 | 38 | 38 | 36 |
| 2020 | 127 | 0 | 127 | 16 | 0 | 112 | 19 | 0 | 0 | 0 | 93 | 0 | 93 | 130 | 116 |
| 2021 | 189 | 0 | 189 | 24 | 0 | 165 | 41 | 0 | 0 | 0 | 124 | 0 | 124 | 255 | 214 |
| 2022 | 208 | 0 | 208 | 26 | 0 | 182 | 36 | 0 | 0 | 0 | 146 | 0 | 146 | 401 | 319 |
| 2023 | 254 | 0 | 254 | 32 | 0 | 222 | 57 | 0 | 0 | 0 | 164 | 0 | 164 | 565 | 426 |
| 2024 | 221 | 0 | 221 | 28 | 0 | 193 | 38 | 0 | 0 | 0 | 156 | 0 | 156 | 721 | 518 |
| 2025 | 241 | 0 | 241 | 30 | 0 | 211 | 47 | 0 | 0 | 0 | 164 | 0 | 164 | 885 | 606 |
| 2026 | 261 | 0 | 261 | 33 | 0 | 229 | 59 | 0 | 0 | 0 | 169 | 0 | 169 | 1,054 | 689 |
| 2027 | 282 | 0 | 282 | 35 | 0 | 247 | 83 | 0 | 0 | -10 | 174 | 0 | 174 | 1,228 | 766 |
| 2028 | 251 | 0 | 251 | 31 | 0 | 220 | 67 | 0 | 0 | 0 | 152 | 0 | 152 | 1,380 | 828 |
| 2029 | 317 | 0 | 317 | 40 | 0 | 277 | 105 | 0 | 0 | 10 | 162 | 0 | 162 | 1,542 | 888 |
| 2030 | 875 | 0 | 875 | 109 | 0 | 765 | 637 | 0 | 0 | -10 | 138 | 0 | 138 | 1,680 | 934 |
| Sub. | 3,277 | 0 | 3,277 | 410 | 0 | 2,868 | 1,197 | 0 | 0 | -10 | 1,680 | 0 | 1,680 | 1,680 | 934 |
| Rem. | 1,429 | 0 | 1,429 | 179 | 0 | 1,250 | 1,166 | 0 | 0 | 10 | 75 | 0 | 75 | 1,755 | 963 |
| Tot. | 4,706 | 0 | 4,706 | 588 | 0 | 4,118 | 2,363 | 0 | 0 | 0 | 1,755 | 0 | 1,755 | 1,755 | 963 |
| Disc | 2,063 | 0 | 2,063 | 258 | 0 | 1,806 | 850 | 0 | 0 | -8 | 963 | 0 | 963 | 963 | 963 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | Disc % | NPV Metrics - Co. Int. | | |
|----------------|-------|------------------------------------|------------------|---------------|-----|----------------|-----------------|------------|--------------|--------------------------|--------|--------|------------------------|---------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Index | Rate % | | NPV M\$ | \$/boe | \$ per 1st yr boe/d |
| | | | | | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 90.9 | 0 | 1,755 | 25.61 | 849,380 | |
| Total: Oil Eq. | Mboe | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 90.9 | 5 | 1,278 | 18.65 | 618,649 | |
| Total: Gas Eq. | MMcfe | 411 | 0 | 411 | 360 | | | | | | 8 | 1,074 | 15.68 | 519,928 | |
| | | | | | | | | | | | 10 | 963 | 14.05 | 466,090 | |
| | | | | | | | | | | | 12 | 868 | 12.66 | 419,948 | |
| | | | | | | | | | | | 15 | 749 | 10.93 | 362,421 | |
| | | | | | | | | | | | 20 | 599 | 8.74 | 289,901 | |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Proved Plus Probable**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | |
|-------------|----------------------|-------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|--------------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 15 | 805 | 294 | 41 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 805 | 294 | 41 |
| 2020 | 15 | 687 | 251 | 35 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 687 | 251 | 35 |
| 2021 | 15 | 592 | 216 | 31 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 592 | 216 | 31 |
| 2022 | 14 | 513 | 187 | 27 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 513 | 187 | 27 |
| 2023 | 14 | 454 | 166 | 24 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 454 | 166 | 24 |
| 2024 | 14 | 399 | 146 | 21 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 399 | 146 | 21 |
| 2025 | 13 | 356 | 130 | 18 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 356 | 130 | 18 |
| 2026 | 13 | 323 | 118 | 17 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 323 | 118 | 17 |
| 2027 | 13 | 294 | 107 | 15 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 294 | 107 | 15 |
| 2028 | 13 | 263 | 96 | 14 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 263 | 96 | 14 |
| 2029 | 11 | 233 | 85 | 12 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 233 | 85 | 12 |
| 2030 | 11 | 214 | 78 | 11 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 214 | 78 | 11 |
| Sub. | | | 1,873 | 265 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | | 1,873 | 265 |
| Rem. | | | 130 | 18 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | | 130 | 18 |
| Tot. | | | 2,003 | 283 | 68.68 | | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | | 2,003 | 283 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investmt | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|---------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|------------------|----------------------|--------------|----------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Disc M\$ |
| 2019 | 3,231 | 0 | 3,231 | 404 | 0 | 2,828 | 1,040 | 0 | 0 | 0 | 1,787 | 0 | 1,787 | 1,787 | 1,704 |
| 2020 | 2,768 | 0 | 2,768 | 346 | 0 | 2,422 | 976 | 0 | 0 | 0 | 1,446 | 0 | 1,446 | 3,234 | 2,958 |
| 2021 | 2,395 | 0 | 2,395 | 299 | 0 | 2,096 | 925 | 0 | 0 | 0 | 1,171 | 0 | 1,171 | 4,405 | 3,881 |
| 2022 | 2,080 | 0 | 2,080 | 260 | 0 | 1,820 | 862 | 0 | 0 | 0 | 958 | 0 | 958 | 5,363 | 4,567 |
| 2023 | 1,847 | 0 | 1,847 | 231 | 0 | 1,616 | 830 | 0 | 0 | 0 | 786 | 0 | 786 | 6,149 | 5,079 |
| 2024 | 1,624 | 0 | 1,624 | 203 | 0 | 1,421 | 785 | 0 | 0 | 0 | 636 | 0 | 636 | 6,786 | 5,456 |
| 2025 | 1,451 | 0 | 1,451 | 181 | 0 | 1,270 | 756 | 0 | 0 | 0 | 514 | 0 | 514 | 7,300 | 5,732 |
| 2026 | 1,319 | 0 | 1,319 | 165 | 0 | 1,154 | 738 | 0 | 0 | 10 | 406 | 0 | 406 | 7,706 | 5,931 |
| 2027 | 1,205 | 0 | 1,205 | 151 | 0 | 1,054 | 723 | 0 | 0 | 0 | 331 | 0 | 331 | 8,037 | 6,078 |
| 2028 | 1,077 | 0 | 1,077 | 135 | 0 | 943 | 692 | 0 | 0 | 0 | 250 | 0 | 250 | 8,287 | 6,180 |
| 2029 | 947 | 0 | 947 | 118 | 0 | 829 | 647 | 0 | 0 | 10 | 172 | 0 | 172 | 8,459 | 6,243 |
| 2030 | 875 | 0 | 875 | 109 | 0 | 765 | 637 | 0 | 0 | 0 | 128 | 0 | 128 | 8,587 | 6,286 |
| Sub. | 20,821 | 0 | 20,821 | 2,603 | 0 | 18,219 | 9,612 | 0 | 0 | 20 | 8,587 | 0 | 8,587 | 8,587 | 6,286 |
| Rem. | 1,429 | 0 | 1,429 | 179 | 0 | 1,250 | 1,166 | 0 | 0 | 118 | -33 | 0 | -33 | 8,554 | 6,289 |
| Tot. | 22,250 | 0 | 22,250 | 2,781 | 0 | 19,469 | 10,777 | 0 | 0 | 137 | 8,554 | 0 | 8,554 | 8,554 | 6,289 |
| Disc | 14,478 | 0 | 14,478 | 1,810 | 0 | 12,668 | 6,349 | 0 | 0 | 30 | 6,289 | 0 | 6,289 | 6,289 | 6,289 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | Disc % | NPV Metrics - Co. Int. | | |
|----------------|-------|------------------------------------|------------------|---------------|-------|----------------|-----------------|------------|--------------|--------------------------|--------|--------|------------------------|--------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Index | Rate % | | NPV M\$ | \$/boe | \$ per 1st yr boe/d |
| | | | | | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 324 | 0 | 324 | 283 | 1.000 | 324 | 100 | 14.0 | 6.9 | 0 | 8,554 | 26.40 | 66,360 | |
| Total: Oil Eq. | Mboe | 324 | 0 | 324 | 283 | 1.000 | 324 | 100 | 14.0 | 6.9 | 5 | 7,255 | 22.39 | 56,283 | |
| Total: Gas Eq. | MMcfe | 1,944 | 0 | 1,944 | 1,701 | | | | | | 8 | 6,643 | 20.51 | 51,534 | |
| | | | | | | | | | | | 10 | 6,289 | 19.41 | 48,789 | |
| | | | | | | | | | | | 12 | 5,972 | 18.43 | 46,326 | |
| | | | | | | | | | | | 15 | 5,554 | 17.14 | 43,082 | |
| | | | | | | | | | | | 20 | 4,980 | 15.37 | 38,632 | |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **Possible**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | |
|-------------|----------------------|-------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|----------------------|-------------------|-----------------|--------------|--------------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 0 | 7 | 3 | 0 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 7 | 3 | 0 |
| 2020 | 0 | 18 | 7 | 1 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 18 | 7 | 1 |
| 2021 | 0 | 26 | 9 | 1 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 26 | 9 | 1 |
| 2022 | 1 | 36 | 13 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 36 | 13 | 2 |
| 2023 | 0 | 34 | 12 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 34 | 12 | 2 |
| 2024 | 0 | 43 | 16 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 43 | 16 | 2 |
| 2025 | 1 | 43 | 16 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 43 | 16 | 2 |
| 2026 | 0 | 36 | 13 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 36 | 13 | 2 |
| 2027 | 0 | 37 | 14 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 37 | 14 | 2 |
| 2028 | 0 | 44 | 16 | 2 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 44 | 16 | 2 |
| 2029 | 2 | 52 | 19 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 52 | 19 | 3 |
| 2030 | 2 | 51 | 19 | 3 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 51 | 19 | 3 |
| Sub. | | | 156 | 23 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 156 | 23 |
| Rem. | | | 241 | 35 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 241 | 35 |
| Tot. | | | 397 | 58 | 68.68 | | | 0 | 0.00 | | | 0 | 0.00 | | 397 | 58 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investment | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|--------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|--------------------|----------------------|--------------|----------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Disc M\$ |
| 2019 | 30 | 0 | 30 | 4 | 0 | 26 | 4 | 0 | 0 | 0 | 22 | 0 | 22 | 22 | 21 |
| 2020 | 77 | 0 | 77 | 10 | 0 | 67 | 11 | 0 | 0 | 0 | 56 | 0 | 56 | 77 | 69 |
| 2021 | 109 | 0 | 109 | 14 | 0 | 95 | 16 | 0 | 0 | 0 | 79 | 0 | 79 | 157 | 131 |
| 2022 | 155 | 0 | 155 | 19 | 0 | 136 | 42 | 0 | 0 | 0 | 94 | 0 | 94 | 250 | 198 |
| 2023 | 142 | 0 | 142 | 18 | 0 | 124 | 21 | 0 | 0 | 0 | 103 | 0 | 103 | 354 | 266 |
| 2024 | 187 | 0 | 187 | 23 | 0 | 163 | 42 | 0 | 0 | 0 | 121 | 0 | 121 | 475 | 337 |
| 2025 | 187 | 0 | 187 | 23 | 0 | 164 | 43 | 0 | 0 | 0 | 121 | 0 | 121 | 596 | 402 |
| 2026 | 152 | 0 | 152 | 19 | 0 | 133 | 22 | 0 | 0 | -10 | 120 | 0 | 120 | 716 | 461 |
| 2027 | 155 | 0 | 155 | 19 | 0 | 136 | 23 | 0 | 0 | 10 | 103 | 0 | 103 | 819 | 507 |
| 2028 | 189 | 0 | 189 | 24 | 0 | 165 | 41 | 0 | 0 | 0 | 124 | 0 | 124 | 943 | 558 |
| 2029 | 229 | 0 | 229 | 29 | 0 | 200 | 75 | 0 | 0 | -10 | 136 | 0 | 136 | 1,079 | 607 |
| 2030 | 225 | 0 | 225 | 28 | 0 | 197 | 74 | 0 | 0 | 10 | 113 | 0 | 113 | 1,192 | 645 |
| Sub. | 1,836 | 0 | 1,836 | 230 | 0 | 1,607 | 415 | 0 | 0 | 0 | 1,192 | 0 | 1,192 | 1,192 | 645 |
| Rem. | 2,730 | 0 | 2,730 | 341 | 0 | 2,389 | 1,967 | 0 | 0 | 0 | 422 | 0 | 422 | 1,614 | 764 |
| Tot. | 4,567 | 0 | 4,567 | 571 | 0 | 3,996 | 2,381 | 0 | 0 | 0 | 1,614 | 0 | 1,614 | 1,614 | 764 |
| Disc | 1,631 | 0 | 1,631 | 204 | 0 | 1,427 | 669 | 0 | 0 | -6 | 764 | 0 | 764 | 764 | 764 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | Disc % | NPV Metrics - Co. Int. | | |
|----------------|-------|------------------------------------|------------------|---------------|-----|----------------|-----------------|------------|--------------|--------------------------|--------|--------|------------------------|-----------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Index | Rate % | | NPV M\$ | \$/boe | \$ per 1st yr boe/d |
| | | | | | | | | | | | | | | | |
| Light/Med Oil | Mbbl | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 153.5 | 0 | 1,614 | 24.28 | 1,360,342 | |
| Total: Oil Eq. | Mboe | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 153.5 | 5 | 1,083 | 16.29 | 912,739 | |
| Total: Gas Eq. | MMcfe | 399 | 0 | 399 | 349 | | | | | | 8 | 874 | 13.14 | 736,068 | |
| | | | | | | | | | | | 10 | 764 | 11.49 | 643,909 | |
| | | | | | | | | | | | 12 | 673 | 10.13 | 567,439 | |
| | | | | | | | | | | | 15 | 564 | 8.49 | 475,537 | |
| | | | | | | | | | | | 20 | 434 | 6.52 | 365,488 | |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary**
\$US Dollars

Reserve Class: **PPP**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast Summary

PRODUCTION FORECAST

| Year | Total Oil Production | | | | Total Gas Production | | | | Total NGL Production | | | | Total Oil Eq. Production | | | |
|-------------|----------------------|-------------------|-------------------|-----------------|----------------------|-------------------|-------------------|-----------------|----------------------|-------------------|-------------------|-----------------|--------------------------|-------------------|-------------------|-----------------|
| | Gross Wells | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily Mcf/d | Gross Yearly MMcf | Net Yearly MMcf | Price \$/Mcf | Gross Daily bbl/d | Gross Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl | Gross Daily boe/d | Gross Yearly Mboe | Net Yearly Mboe |
| 2019 | 15 | 812 | 296 | 42 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 812 | 296 | 42 |
| 2020 | 15 | 705 | 257 | 36 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 705 | 257 | 36 |
| 2021 | 15 | 617 | 225 | 32 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 617 | 225 | 32 |
| 2022 | 15 | 549 | 200 | 28 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 549 | 200 | 28 |
| 2023 | 14 | 488 | 178 | 25 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 488 | 178 | 25 |
| 2024 | 14 | 442 | 161 | 23 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 442 | 161 | 23 |
| 2025 | 14 | 400 | 146 | 21 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 400 | 146 | 21 |
| 2026 | 13 | 359 | 131 | 19 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 359 | 131 | 19 |
| 2027 | 13 | 331 | 121 | 17 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 331 | 121 | 17 |
| 2028 | 13 | 307 | 112 | 16 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 307 | 112 | 16 |
| 2029 | 13 | 285 | 104 | 15 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 285 | 104 | 15 |
| 2030 | 13 | 266 | 97 | 14 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 266 | 97 | 14 |
| Sub. | | | 2,029 | 289 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | | 2,029 | 289 |
| Rem. | | | 371 | 53 | 68.68 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | | 371 | 53 |
| Tot. | | | 2,400 | 342 | 68.68 | | 0 | 0 | 0.00 | | 0 | 0 | 0.00 | | 2,400 | 342 |

REVENUE AND EXPENSE FORECAST

| Year | Co. Revenue Before Burdens | | | Royalty Burdens | | Net Rev. | | Mineral + Capital Taxes | Other Income/Expenses | Aband. & Recl. Costs | Net Operating Income | Capital Investmt | Before Tax Cash Flow | | |
|-------------|----------------------------|----------|---------------|-----------------|-----------|-------------------|------------------------|-------------------------|-----------------------|----------------------|----------------------|------------------|----------------------|---------------|----------------|
| | Oil M\$ | Gas M\$ | Total M\$ | Crown M\$ | Other M\$ | After Royalty M\$ | Operating Expenses M\$ | | | | | | Annual M\$ | Cum. M\$ | 10.0% Disc M\$ |
| 2019 | 3,261 | 0 | 3,261 | 408 | 0 | 2,854 | 1,045 | 0 | 0 | 0 | 1,809 | 0 | 1,809 | 1,809 | 1,725 |
| 2020 | 2,845 | 0 | 2,845 | 356 | 0 | 2,489 | 987 | 0 | 0 | 0 | 1,502 | 0 | 1,502 | 3,311 | 3,027 |
| 2021 | 2,504 | 0 | 2,504 | 313 | 0 | 2,191 | 941 | 0 | 0 | 0 | 1,251 | 0 | 1,251 | 4,561 | 4,012 |
| 2022 | 2,235 | 0 | 2,235 | 279 | 0 | 1,956 | 904 | 0 | 0 | 0 | 1,052 | 0 | 1,052 | 5,613 | 4,766 |
| 2023 | 1,989 | 0 | 1,989 | 249 | 0 | 1,741 | 851 | 0 | 0 | 0 | 889 | 0 | 889 | 6,503 | 5,345 |
| 2024 | 1,811 | 0 | 1,811 | 226 | 0 | 1,584 | 827 | 0 | 0 | 0 | 757 | 0 | 757 | 7,260 | 5,793 |
| 2025 | 1,639 | 0 | 1,639 | 205 | 0 | 1,434 | 799 | 0 | 0 | 0 | 635 | 0 | 635 | 7,895 | 6,135 |
| 2026 | 1,471 | 0 | 1,471 | 184 | 0 | 1,287 | 760 | 0 | 0 | 0 | 527 | 0 | 527 | 8,422 | 6,393 |
| 2027 | 1,360 | 0 | 1,360 | 170 | 0 | 1,190 | 746 | 0 | 0 | 10 | 435 | 0 | 435 | 8,856 | 6,586 |
| 2028 | 1,266 | 0 | 1,266 | 158 | 0 | 1,108 | 733 | 0 | 0 | 0 | 374 | 0 | 374 | 9,231 | 6,737 |
| 2029 | 1,176 | 0 | 1,176 | 147 | 0 | 1,029 | 721 | 0 | 0 | 0 | 308 | 0 | 308 | 9,538 | 6,850 |
| 2030 | 1,099 | 0 | 1,099 | 137 | 0 | 962 | 711 | 0 | 0 | 10 | 241 | 0 | 241 | 9,779 | 6,931 |
| Sub. | 22,658 | 0 | 22,658 | 2,832 | 0 | 19,825 | 10,026 | 0 | 0 | 20 | 9,779 | 0 | 9,779 | 9,779 | 6,931 |
| Rem. | 4,159 | 0 | 4,159 | 520 | 0 | 3,639 | 3,132 | 0 | 0 | 118 | 390 | 0 | 390 | 10,169 | 7,054 |
| Tot. | 26,817 | 0 | 26,817 | 3,352 | 0 | 23,465 | 13,159 | 0 | 0 | 137 | 10,169 | 0 | 10,169 | 10,169 | 7,054 |
| Disc | 16,109 | 0 | 16,109 | 2,014 | 0 | 14,096 | 7,018 | 0 | 0 | 24 | 7,054 | 0 | 7,054 | 7,054 | 7,054 |

RESERVES and NET PRESENT VALUE SUMMARY

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | Oil Equivalents | | | | Reserve Life Indic. (yr) | | Net Present Value Before Income Tax | | | |
|----------------|-------|------------------------------------|------------------|---------------|-------|-----------------|--------------|------------|--------------|--------------------------|--------|-------------------------------------|--------|------------------------|---------------------|
| | | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Life Index | Disc % | NPV M\$ | \$/boe | NPV Metrics - Co. Int. | |
| | | | | | | | | | | | | | | | \$ per 1st yr boe/d |
| Light/Med Oil | Mbbl | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 | 8.2 | 0 | 10,169 | 26.04 | 78,165 | |
| Total: Oil Eq. | Mboe | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 | 8.2 | 5 | 8,339 | 21.36 | 64,096 | |
| Total: Gas Eq. | MMcfe | 2,343 | 0 | 2,343 | 2,050 | | | | | | 8 | 7,517 | 19.25 | 57,779 | |
| | | | | | | | | | | | 10 | 7,054 | 18.06 | 54,218 | |
| | | | | | | | | | | | 12 | 6,645 | 17.02 | 51,080 | |
| | | | | | | | | | | | 15 | 6,118 | 15.67 | 47,027 | |
| | | | | | | | | | | | 20 | 5,414 | 13.86 | 41,614 | |

SECURITIES REPORTING

TABLE OF CONTENTS

| | Page |
|--|-----------|
| OUTLINE | 64 |
| DISCUSSION | 65 |
| AFTER TAX FORECAST PRICING RESERVES DATA | |
| Table FP-1 Summary of Oil and Gas Reserves | 69 |
| Table FP-2 Summary Net Present Values of Future Net Revenue | 70 |
| Table FP-3 Total Future Net Revenue (Undiscounted) | 71 |
| Table FP-4 Future Net Revenue by Product Type | 72 |
| Table FP-5 Forecast Prices Used | 73 |
| Table FP-6A Table FP-6A Reserves Reconciliation - Current Year | 77 |
| Table FP-6B Reserves Reconciliation - Previous Year | 78 |
| Table FP-7 Undeveloped Reserves Attributed In Current Year | 79 |
| Table FP-8 Summary of First Year Production | 80 |
| AFTER TAX CONSTANT PRICING RESERVES DATA | |
| Table CP-1 Summary of Oil and Gas Reserves | 81 |
| Table CP-2 Summary Net Present Values of Future Net Revenue | 82 |
| Table CP-3 Total Future Net Revenue (Undiscounted) | 83 |
| Table CP-4 Future Net Revenue by Product Type | 84 |
| Table CP-5 Constant Prices Used | 85 |
| Table CP-6 Reserves Reconciliation | 87 |
| Table CP-7 Undeveloped Reserves Attributed In Current Year | 88 |
| Table CP-8 Summary of First Year Production | 89 |

SECURITIES REPORTING OUTLINE

PART 1 DATE OF STATEMENT

- 1.1 Relevant Dates
 - 1. Effective Date
 - 2. Data Date
 - 3. Preparation Date

PART 2 DISCLOSURE OF RESERVES DATA

- 2.1 Reserves Data (Forecast Prices and Costs)
 - 1. Breakdown of Proved Reserves
 - 2. Net Present Value of Future Net Revenue
 - 3. Additional Information Concerning Future Net Revenue

PART 3 PRICING ASSUMPTIONS

- 3.2 Forecast Prices Used in Estimates

PART 4 RECONCILIATION OF CHANGES IN RESERVES

- 4.1 Reserves Reconciliation

PART 5 ADDITIONAL INFORMATION RELATING TO RESERVES DATA

- 5.1 Undeveloped Reserves
- 5.2 Significant Factors or Uncertainties
- 5.3 Future Development Costs

PART 6 OTHER OIL AND GAS INFORMATION

- 6.3 Forward Contracts
- 6.5 Tax Horizon
- 6.8 Production Estimates

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 prepared using well information and production data provided by the Company 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 February 14, 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

Item 2.2 Reserves Data (Constant Prices and Costs) [OPTIONAL DISCLOSURE]

Note: Effective January 1, 2008, all information relating to Constant prices and Costs is optional disclosure under NI 51-101.

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

PART 3 PRICING ASSUMPTIONS

Item 3.1 Constant Prices Used in Estimates [OPTIONAL DISCLOSURE]

The reference benchmark prices (reflecting the average of the first day posted prices in each of the 12 months of the Company's fiscal year) used in the Constant price analysis, are provided in Table CP-5.

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

Tables FP-6A and FP-6B provide reconciliations of Company Gross reserves based on forecast prices and costs for the current and prior year-end evaluations, respectively.

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.

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.

There are no undeveloped reserves associated with the Company's reserves assets.

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

There are no development costs.

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 not payable by the Company in the total proved reserves category and are payable in 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-8 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 these tables.

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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 | Light & Medium Oil | | Oil Equivalent | |
|----------------------------|--------------------|------------------|--------------------|------------------|
| | Company Gross Mbbl | Company Net Mbbl | Company Gross Mboe | Company Net Mboe |
| PROVED | | | | |
| Producing | 255 | 223 | 255 | 223 |
| Developed Non-Producing | 0 | 0 | 0 | 0 |
| Undeveloped | 0 | 0 | 0 | 0 |
| TOTAL PROVED | 255 | 223 | 255 | 223 |
| TOTAL PROBABLE | 69 | 60 | 69 | 60 |
| TOTAL PROVED PLUS PROBABLE | 324 | 284 | 324 | 284 |
| TOTAL POSSIBLE | 66 | 58 | 66 | 58 |
| TOTAL PPP | 390 | 342 | 390 | 342 |

Table FP-2

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax
 \$US Dollars**

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 | \$/Mcf | |
| | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | | | |
| PROVED | | | | | | | | | | | | | |
| Producing | 6,485 | 5,638 | 4,973 | 4,444 | 4,018 | 6,485 | 5,638 | 4,973 | 4,444 | 4,018 | 22.26 | 3.71 | |
| Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| TOTAL PROVED | 6,485 | 5,638 | 4,973 | 4,444 | 4,018 | 6,485 | 5,638 | 4,973 | 4,444 | 4,018 | 22.26 | 3.71 | |
| TOTAL PROBABLE | 1,999 | 1,433 | 1,063 | 813 | 641 | 1,631 | 1,182 | 886 | 686 | 547 | 17.59 | 2.93 | |
| TOTAL PROVED PLUS PROBABLE | 8,484 | 7,072 | 6,035 | 5,258 | 4,659 | 8,117 | 6,821 | 5,859 | 5,130 | 4,565 | 21.27 | 3.54 | |
| TOTAL POSSIBLE | 1,932 | 1,267 | 873 | 631 | 475 | 1,846 | 1,226 | 854 | 621 | 470 | 15.09 | 2.52 | |
| TOTAL PPP | 10,416 | 8,338 | 6,909 | 5,888 | 5,135 | 9,962 | 8,047 | 6,712 | 5,751 | 5,036 | 20.22 | 3.37 | |

Notes

1. Unit values are based on Company Net Reserves.

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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 | 18,123 | 2,265 | 9,194 | 0 | 179 | 6,485 | - | 6,485 |
| Proved Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Proved Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Total Proved | 18,123 | 2,265 | 9,194 | 0 | 179 | 6,485 | - | 6,485 |
| Total Probable | 5,679 | 710 | 2,960 | 0 | 11 | 1,999 | 368 | 1,631 |
| Total Proved Plus Probable | 23,802 | 2,975 | 12,153 | 0 | 189 | 8,484 | 368 | 8,117 |
| Total Possible | 5,746 | 718 | 3,086 | 0 | 10 | 1,932 | 86 | 1,846 |
| Total PPP | 29,548 | 3,694 | 15,239 | 0 | 199 | 10,416 | 454 | 9,962 |

Notes

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

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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> | | | |
| Light & Medium Oil [1] | 4,973 | 22.26 | 3.71 |
| Total: Proved Producing | 4,973 | 22.26 | 3.71 |
| <i>Proved Developed Non-Producing</i> | | | |
| Light & Medium Oil [1] | 0 | 0.00 | 0.00 |
| Total: Proved Developed Non-Producing | 0 | 0.00 | 0.00 |
| <i>Proved Undeveloped</i> | | | |
| Light & Medium Oil [1] | 0 | 0.00 | 0.00 |
| Total: Proved Undeveloped | 0 | 0.00 | 0.00 |
| <i>Total Proved</i> | | | |
| Light & Medium Oil [1] | 4,973 | 22.26 | 3.71 |
| Total: Total Proved | 4,973 | 22.26 | 3.71 |
| <i>Total Probable</i> | | | |
| Light & Medium Oil [1] | 1,063 | 17.59 | 2.93 |
| Total: Total Probable | 1,063 | 17.59 | 2.93 |
| <i>Total Proved Plus Probable</i> | | | |
| Light & Medium Oil [1] | 6,035 | 21.27 | 3.54 |
| Total: Total Proved Plus Probable | 6,035 | 21.27 | 3.54 |
| <i>Total Possible</i> | | | |
| Light & Medium Oil [1] | 873 | 15.09 | 2.52 |
| Total: Total Possible | 873 | 15.09 | 2.52 |
| <i>Total PPP</i> | | | |
| Light & Medium Oil [1] | 6,909 | 20.22 | 3.37 |
| Total: Total PPP | 6,909 | 20.22 | 3.37 |

Notes

- Including solution gas and other by-products
- 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)

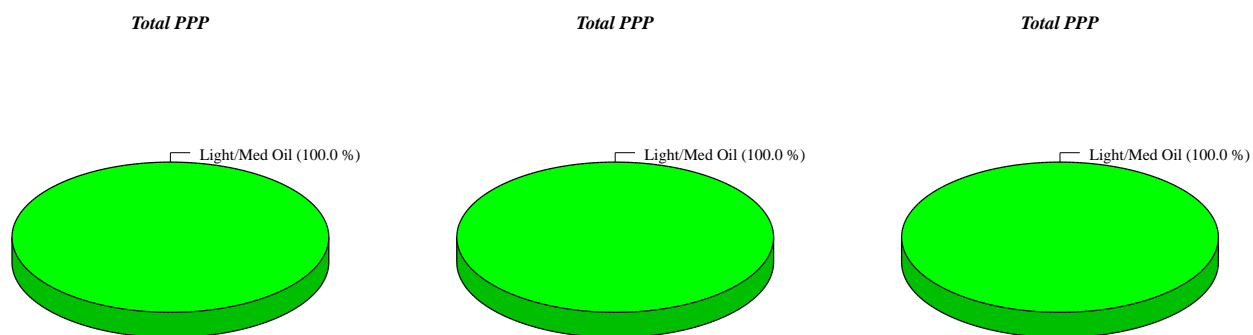


Table FP-5 (1 of 4)
GLJ Petroleum Consultants
Crude Oil and Natural Gas Liquids
GLJ (2019-01)
Effective January 1, 2019

| 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 | Then Current CAD/bbl | Then Current CAD/bbl | Spec Ethane CAD/bbl | Edmonton Propane 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 USD/lt | Alberta Sulphur at Plant Gate CAD/lt |
|------|--|------------------------------|--------------------------------|------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------|-------------------------|-------------------|-------------------------|-------------------------------------|---------------------------------|---------------------------------------|--|
| | Constant 2019 \$ USD/MMBtu | Then Current USD/MMBtu | Then Current USD/MMBtu | Then Current CAD/MMBtu | Then Current CAD/MMBtu | Constant 2019 \$ CAD/MMBtu | Then Current CAD/MMBtu | ARP CAD/MMBtu | SaskEnergy CAD/MMBtu | Spot CAD/MMBtu | Sumas Spot USD/MMBtu | Westcoast Station 2 CAD/MMBtu | Spot Plant Gate 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)

US Natural Gas
(Then Current Dollars)

| Year | Conway | | | | Mont Belvieu | | | | US Natural Gas | |
|------|-------------------------------|--------------------|-------------------|-----------------------|-------------------|--------------------|-------------------|-----------------------|-------------------------------------|---|
| | 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 |

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

TABLE FP-6A
PARK PLACE ENERGY INC.
DECEMBER 31, 2018
RECONCILIATION OF COMPANY GROSS RESERVES
BY PRINCIPAL PRODUCT TYPE
FORECAST PRICES AND COSTS

| 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 | 237 | 68 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 237 | 68 | 305 |
| 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* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Technical Revisions | 66 | 1 | 67 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 67 | 1 | 68 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production | (47) | 0 | (47) | 0 | 0 | 0 | (5) | 0 | (5) | 0 | 0 | 0 | (48) | 0 | (48) |
| December 31, 2018 | 255 | 69 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 255 | 69 | 324 |

* 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".

TABLE FP-6B
PARK PLACE ENERGY INC.
DECEMBER 31, 2017
RECONCILIATION OF COMPANY GROSS RESERVES
BY PRINCIPAL PRODUCT TYPE
FORECAST PRICES AND COSTS

| | 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) |
| COMPANY TOTAL GROSS | | | | | | | | | | | | | | | |
| December 31, 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Product Type Transfers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjusted December 31, 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Technical Revisions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 2 | 2 |
| Acquisitions | 282 | 68 | 350 | 0 | 0 | 0 | 9 | (9) | 0 | 0 | 0 | 0 | 284 | 66 | 350 |
| Dispositions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Economic Factors | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production | (45) | 0 | (45) | 0 | 0 | 0 | (9) | 0 | (9) | 0 | 0 | 0 | (47) | 0 | (47) |
| December 31, 2017 | 237 | 68 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 237 | 68 | 305 |
| Conventional Reservoirs | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| December 31, 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Product Type Transfers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Adjusted December 31, 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Technical Revisions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 2 | 2 |
| Acquisitions | 282 | 68 | 350 | 0 | 0 | 0 | 9 | (9) | 0 | 0 | 0 | 0 | 284 | 66 | 350 |
| Dispositions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Economic Factors | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production | (45) | 0 | (45) | 0 | 0 | 0 | (9) | 0 | (9) | 0 | 0 | 0 | (47) | 0 | (47) |
| December 31, 2017 | 237 | 68 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 237 | 68 | 305 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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 (Mbbbl) | | Heavy Oil (Mbbbl) | | Conventional Natural Gas (MMcf) | | Natural Gas Liquids (Mbbbl) | | BOE (Mboe) | |
|-------------------------------|------------------|-------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|-------------------------|------------------|
| Attributed This Year* | Current Total | 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 | 0 | 0 | 0 |

Probable Undeveloped

| Light & Medium Oil (Mbbbl) | | Heavy Oil (Mbbbl) | | Conventional Natural Gas (MMcf) | | Natural Gas Liquids (Mbbbl) | | BOE (Mboe) | |
|-------------------------------|------------------|-------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|-------------------------|------------------|
| Attributed This Year | Current Total | 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 | 0 | 0 | 0 |

* 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: Park Place Energy Inc.
 Property: Corporate
 Description: Summary with After Tax
 \$US Dollars

Table FP-8

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

Summary of First Year Production

| Entity Description | Light & Medium Oil | | Oil Equivalent | |
|--|---------------------|-------------------|---------------------|-------------------|
| | Company Gross bbl/d | Company Net bbl/d | Company Gross boe/d | Company Net boe/d |
| <i>Proved Producing</i> | | | | |
| Cendere | 127 | 111 | 127 | 111 |
| Total: Proved Producing | 127 | 111 | 127 | 111 |
| <i>Total Proved</i> | | | | |
| Cendere | 127 | 111 | 127 | 111 |
| Total: Total Proved | 127 | 111 | 127 | 111 |
| <i>Total Proved Plus Probable</i> | | | | |
| Cendere | 129 | 113 | 129 | 113 |
| Total: Total Proved Plus Probable | 129 | 113 | 129 | 113 |
| <i>Total PPP</i> | | | | |
| Cendere | 130 | 114 | 130 | 114 |
| Total: Total PPP | 130 | 114 | 130 | 114 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Table CP-1

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Summary Of Oil And Gas Reserves

| Reserves Category | Light & Medium Oil | | Oil Equivalent | |
|----------------------------|--------------------|------------------|--------------------|------------------|
| | Company Gross Mbbl | Company Net Mbbl | Company Gross Mboe | Company Net Mboe |
| PROVED | | | | |
| Producing | 255 | 224 | 255 | 224 |
| Developed Non-Producing | 0 | 0 | 0 | 0 |
| Undeveloped | 0 | 0 | 0 | 0 |
| TOTAL PROVED | 255 | 224 | 255 | 224 |
| TOTAL PROBABLE | 69 | 60 | 69 | 60 |
| TOTAL PROVED PLUS PROBABLE | 324 | 283 | 324 | 283 |
| TOTAL POSSIBLE | 66 | 58 | 66 | 58 |
| TOTAL PPP | 390 | 342 | 390 | 342 |

Table CP-2

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax
 \$US Dollars**

Reserve Class:
 Development Class:
 Pricing:
 Effective Date:

**Various
 Classifications
 SEC 2018-Dec-31 Posted (12 Month Avg.)
 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 | \$/Mcf | |
| | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | | | |
| PROVED | | | | | | | | | | | | | |
| Producing | 6,799 | 5,977 | 5,326 | 4,805 | 4,381 | 6,754 | 5,936 | 5,289 | 4,770 | 4,348 | 23.83 | 3.97 | |
| Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | |
| TOTAL PROVED | 6,799 | 5,977 | 5,326 | 4,805 | 4,381 | 6,754 | 5,936 | 5,289 | 4,770 | 4,348 | 23.83 | 3.97 | |
| TOTAL PROBABLE | 1,755 | 1,278 | 963 | 749 | 599 | 1,427 | 1,037 | 779 | 605 | 483 | 16.06 | 2.68 | |
| TOTAL PROVED PLUS PROBABLE | 8,554 | 7,255 | 6,289 | 5,554 | 4,980 | 8,180 | 6,973 | 6,068 | 5,374 | 4,831 | 22.19 | 3.70 | |
| TOTAL POSSIBLE | 1,614 | 1,083 | 764 | 564 | 434 | 1,575 | 1,065 | 756 | 560 | 432 | 13.13 | 2.19 | |
| TOTAL PPP | 10,169 | 8,339 | 7,054 | 6,118 | 5,414 | 9,755 | 8,038 | 6,823 | 5,934 | 5,263 | 20.64 | 3.44 | |

Notes

1. Unit values are based on Company Net Reserves.

Company: **Park Place Energy Inc.**
Property: **Corporate**
Description: **Summary with After Tax**
\$US Dollars

Table CP-3

Reserve Class: **Various**
Development Class: **Classifications**
Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
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 | 17,544 | 2,193 | 8,414 | 0 | 137 | 6,799 | 45 | 6,754 |
| Proved Developed Non-Producing | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Proved Undeveloped | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Total Proved | 17,544 | 2,193 | 8,414 | 0 | 137 | 6,799 | 45 | 6,754 |
| Total Probable | 4,706 | 588 | 2,363 | 0 | 0 | 1,755 | 328 | 1,427 |
| Total Proved Plus Probable | 22,250 | 2,781 | 10,777 | 0 | 137 | 8,554 | 374 | 8,180 |
| Total Possible | 4,567 | 571 | 2,381 | 0 | 0 | 1,614 | 40 | 1,575 |
| Total PPP | 26,817 | 3,352 | 13,159 | 0 | 137 | 10,169 | 414 | 9,755 |

Notes

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

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Table CP-4

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 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> | | | |
| Light & Medium Oil [1] | 5,326 | 23.83 | 3.97 |
| Total: Proved Producing | 5,326 | 23.83 | 3.97 |
| <i>Total Proved</i> | | | |
| Light & Medium Oil [1] | 5,326 | 23.83 | 3.97 |
| Total: Total Proved | 5,326 | 23.83 | 3.97 |
| <i>Total Proved Plus Probable</i> | | | |
| Light & Medium Oil [1] | 6,289 | 22.19 | 3.70 |
| Total: Total Proved Plus Probable | 6,289 | 22.19 | 3.70 |
| <i>Total PPP</i> | | | |
| Light & Medium Oil [1] | 7,054 | 20.64 | 3.44 |
| Total: Total PPP | 7,054 | 20.64 | 3.44 |

Notes

- Including solution gas and other by-products
- 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.

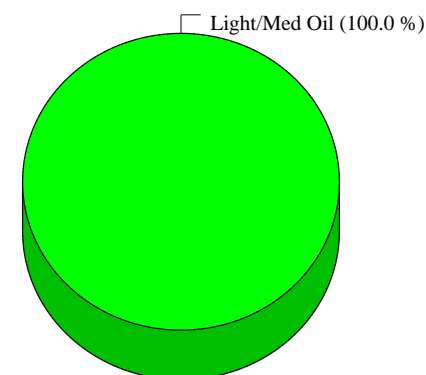
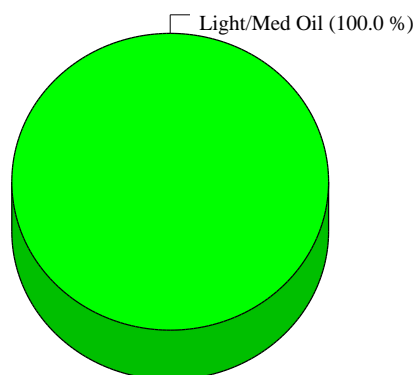
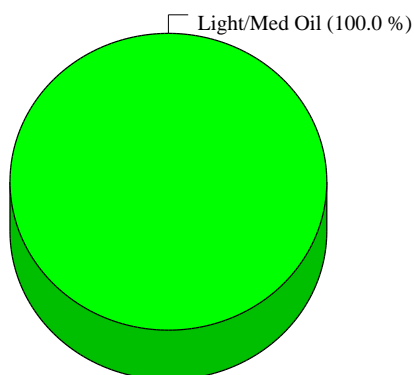
Percentage of Future Net Revenue (10% DCF)***Total Proved******Total Proved Plus Probable******Total PPP***

Table CP-5
GLJ Petroleum Consultants
Crude Oil and Natural Gas Liquids
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| Inflation % | CADUSD Exchange Rate USD/CAD | NYMEX WTI Near Month Futures Contract Crude Oil at Cushing, Oklahoma | | Brent Blend Crude Oil FOB North Sea | Light, Sweet Crude Oil (40 API, 0.3%S) at Edmonton | Bow River Crude Oil at Hardisty | WCS Crude Oil 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 | Then Current CAD/bbl | Spec Ethane CAD/bbl | Edmonton Propane CAD/bbl | Edmonton Butane CAD/bbl |
| 0.0 | 0.7754 | 65.56 | 65.56 | 71.54 | 70.07 | 50.41 | 50.44 | 40.76 | 73.74 | 70.42 | 4.35 | 27.77 | 33.82 | 79.39 |

Table CP-5
GLJ Petroleum Consultants
Natural Gas and Sulphur
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| 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 \$ USD/MMBtu | Then Current USD/MMBtu | Then Current USD/MMBtu | Then Current CAD/MMBtu | Then Current CAD/MMBtu | Constant 2019 \$ CAD/MMBtu | Then Current CAD/MMBtu | ARP CAD/MMBtu | SaskEnergy CAD/MMBtu | Spot CAD/MMBtu | Sumas Spot USD/MMBtu | Westcoast Station 2 CAD/MMBtu | Spot Plant Gate CAD/MMBtu | USD/lt | CAD/lt |
| 3.10 | 3.10 | 3.05 | 1.46 | 1.46 | 1.25 | 1.25 | 1.25 | 1.35 | 1.56 | 2.70 | 1.44 | 1.23 | 136.71 | 126.31 |

Table CP-5
GLJ Petroleum Consultants
International
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| 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/MMBtu | Then Current CAD/MMBtu | Then Current USD/MMBtu | Then Current CAD/MMBtu | | |
| 0.0 | 0.7754 | 1.3379 | 1.1827 | 65.56 | 84.55 | 70.52 | 90.95 | 63.04 | 81.30 | 71.54 | 92.26 | 3.10 | 4.00 | 7.78 | 10.03 |

Table CP-5
GLJ Petroleum Consultants
US Liquids and Natural Gas
SEC 2018-Dec-31 Posted (12 Month Avg.)
Effective January 1, 2019

| US Natural Gas Liquids (Then Current Dollars) | | | | | | | | US Natural Gas (Then Current Dollars) | |
|--|--------------------|-------------------|-----------------------|-------------------|--------------------|-------------------|-----------------------|--|---|
| Conway | | | | Mont Belvieu | | | | Rockies Natural Gas USD/MMBtu | Algonquin City-Gates Natural Gas USD/MMBtu |
| 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 | | |
| 6.05 | 31.32 | 39.74 | 54.71 | 13.50 | 37.65 | 45.61 | 60.42 | 2.74 | 3.22 |

TABLE CP-6
RESERVES RECONCILIATION

A reserves reconciliation for the constant price analysis has not been prepared.

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Table CP-7

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Undeveloped Reserves Attributed in Current Year

Proved Undeveloped

| Light & Medium Oil (Mbbbl) | | Heavy Oil (Mbbbl) | | Conventional Natural Gas (MMcf) | | Natural Gas Liquids (Mbbbl) | | BOE (Mboe) | |
|-------------------------------|------------------|-------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|-------------------------|------------------|
| Attributed This Year* | Current Total | 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 | 0 | 0 | 0 |

Probable Undeveloped

| Light & Medium Oil (Mbbbl) | | Heavy Oil (Mbbbl) | | Conventional Natural Gas (MMcf) | | Natural Gas Liquids (Mbbbl) | | BOE (Mboe) | |
|-------------------------------|------------------|-------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|-------------------------|------------------|
| Attributed This Year | Current Total | 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 | 0 | 0 | 0 |

* 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: Park Place Energy Inc.
 Property: Corporate
 Description: Summary with After Tax
 \$US Dollars

Table CP-8

Reserve Class: Various
 Development Class: Classifications
 Pricing: SEC 2018-Dec-31 Posted (12 Month Avg.)
 Effective Date: December 31, 2018

Summary of First Year Production

| Entity Description | Light & Medium Oil | | Oil Equivalent | |
|--|---------------------|-------------------|---------------------|-------------------|
| | Company Gross bbl/d | Company Net bbl/d | Company Gross boe/d | Company Net boe/d |
| <i>Proved Producing</i> | | | | |
| Cendere | 127 | 111 | 127 | 111 |
| Total: Proved Producing | 127 | 111 | 127 | 111 |
| <i>Total Proved</i> | | | | |
| Cendere | 127 | 111 | 127 | 111 |
| Total: Total Proved | 127 | 111 | 127 | 111 |
| <i>Total Proved Plus Probable</i> | | | | |
| Cendere | 129 | 113 | 129 | 113 |
| Total: Total Proved Plus Probable | 129 | 113 | 129 | 113 |
| <i>Total PPP</i> | | | | |
| Cendere | 130 | 114 | 130 | 114 |
| Total: Total PPP | 130 | 114 | 130 | 114 |

AFTER TAX ANALYSIS

TABLE OF CONTENTS

| | <u>Page</u> |
|--|-------------|
| DISCUSSION | 91 |
| FORECAST PRICING AFTER TAX ANALYSIS | 92 |
| CONSTANT PRICING AFTER TAX ANALYSIS | 112 |
| CONSTANT PRICING AFTER TAX ANALYSIS | |

AFTER TAX ANALYSIS

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

Tax Pools

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

| <u>Tax Pool Classification</u> | <u>Write-Off Rate (%)</u> | <u>Tax Pool (M\$)</u> |
|--------------------------------|---------------------------|-----------------------|
| Drilling and Facility Capital | STL* | 7,038.7 |
| Non-Capital Losses | 100 | 0.0 |

**Straight line depreciation method for fixed assets*

Tax Rates

The corporate income tax rate in Turkey is 22 percent.

FORECAST PRICING AFTER TAX ANALYSIS**TABLE OF CONTENTS**

| | Page |
|---------------------------------------|-------------|
| SUMMARY OF RESERVES AND VALUES | 93 |
| ECONOMIC FORECASTS | |
| Proved Producing | 94 |
| Total Proved | 97 |
| Total Probable | 100 |
| Total Proved Plus Probable | 103 |
| Total Possible | 106 |
| Total PPP | 109 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax
 \$US Dollars**

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 Undevelope d | Total Proved | Total Probable | Total Proved Plus Probable | Total Possible | Total PPP |
|---------------------------------------|---------------------|--|---------------------------|-----------------|-------------------|-------------------------------------|-------------------|--------------|
| MARKETABLE RESERVES | | | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 223 | 0 | 0 | 223 | 60 | 284 | 58 | 342 |
| Oil Equivalent (Mboe) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 223 | 0 | 0 | 223 | 60 | 284 | 58 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,485 | 0 | 0 | 6,485 | 1,999 | 8,484 | 1,932 | 10,416 |
| 5% | 5,638 | 0 | 0 | 5,638 | 1,433 | 7,072 | 1,267 | 8,338 |
| 8% | 5,220 | 0 | 0 | 5,220 | 1,193 | 6,413 | 1,007 | 7,421 |
| 10% | 4,973 | 0 | 0 | 4,973 | 1,063 | 6,035 | 873 | 6,909 |
| 12% | 4,747 | 0 | 0 | 4,747 | 951 | 5,698 | 763 | 6,461 |
| 15% | 4,444 | 0 | 0 | 4,444 | 813 | 5,258 | 631 | 5,888 |
| 20% | 4,018 | 0 | 0 | 4,018 | 641 | 4,659 | 475 | 5,135 |
| AFTER TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,485 | 0 | 0 | 6,485 | 1,631 | 8,117 | 1,846 | 9,962 |
| 5% | 5,638 | 0 | 0 | 5,638 | 1,182 | 6,821 | 1,226 | 8,047 |
| 8% | 5,220 | 0 | 0 | 5,220 | 990 | 6,211 | 981 | 7,192 |
| 10% | 4,973 | 0 | 0 | 4,973 | 886 | 5,859 | 854 | 6,712 |
| 12% | 4,747 | 0 | 0 | 4,747 | 797 | 5,544 | 748 | 6,292 |
| 15% | 4,444 | 0 | 0 | 4,444 | 686 | 5,130 | 621 | 5,751 |
| 20% | 4,018 | 0 | 0 | 4,018 | 547 | 4,565 | 470 | 5,036 |

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: February 20, 2019 08:24:53

1192041 Class (A,B1,B2,C,F,I,O,R), GLJ (2019-01), psum

February 20, 2019 08:26:48

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 60.72 |
| 2020 | 3 | 105 | 38 | 34 | 65.76 |
| 2021 | 3 | 88 | 32 | 28 | 68.40 |
| 2022 | 3 | 75 | 27 | 24 | 70.08 |
| 2023 | 2 | 64 | 23 | 20 | 72.48 |
| 2024 | 2 | 56 | 20 | 18 | 74.88 |
| 2025 | 2 | 48 | 18 | 15 | 77.28 |
| 2026 | 2 | 42 | 15 | 13 | 80.07 |
| 2027 | 2 | 37 | 13 | 12 | 81.62 |
| 2028 | 2 | 33 | 12 | 11 | 83.19 |
| 2029 | 2 | 25 | 9 | 8 | 84.86 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| Sub. | | | 255 | 223 | 70.98 |
| Rem. | | | 0 | 0 | 0.00 |
| Tot. | | | 255 | 223 | 70.98 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 2,811 | 0 | 0 | 2,811 | 0 | 2,811 | 351 | 0 | 0 | 0 | 351 | 2,460 | 584 | 449 | 1,033 |
| 2020 | 2,529 | 0 | 0 | 2,529 | 0 | 2,529 | 316 | 0 | 0 | 0 | 316 | 2,213 | 596 | 380 | 976 |
| 2021 | 2,189 | 0 | 0 | 2,189 | 0 | 2,189 | 274 | 0 | 0 | 0 | 274 | 1,916 | 589 | 323 | 912 |
| 2022 | 1,911 | 0 | 0 | 1,911 | 0 | 1,911 | 239 | 0 | 0 | 0 | 239 | 1,672 | 596 | 281 | 877 |
| 2023 | 1,682 | 0 | 0 | 1,682 | 0 | 1,682 | 210 | 0 | 0 | 0 | 210 | 1,472 | 593 | 244 | 836 |
| 2024 | 1,530 | 0 | 0 | 1,530 | 0 | 1,530 | 191 | 0 | 0 | 0 | 191 | 1,338 | 606 | 219 | 825 |
| 2025 | 1,362 | 0 | 0 | 1,362 | 0 | 1,362 | 170 | 0 | 0 | 0 | 170 | 1,192 | 606 | 192 | 798 |
| 2026 | 1,233 | 0 | 0 | 1,233 | 0 | 1,233 | 154 | 0 | 0 | 0 | 154 | 1,079 | 608 | 172 | 780 |
| 2027 | 1,097 | 0 | 0 | 1,097 | 0 | 1,097 | 137 | 0 | 0 | 0 | 137 | 960 | 598 | 153 | 750 |
| 2028 | 1,001 | 0 | 0 | 1,001 | 0 | 1,001 | 125 | 0 | 0 | 0 | 125 | 876 | 607 | 139 | 747 |
| 2029 | 779 | 0 | 0 | 779 | 0 | 779 | 97 | 0 | 0 | 0 | 97 | 682 | 552 | 108 | 660 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Disc | 12,482 | 0 | 0 | 12,482 | 0 | 12,482 | 1,560 | 0 | 0 | 0 | 1,560 | 10,922 | 4,046 | 1,853 | 5,900 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|--------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | |
| 2019 | 0 | 0 | 0 | 1,427 | 0 | 0 | 1,427 | 0 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 |
| 2020 | 0 | 0 | 0 | 1,236 | 0 | 0 | 1,236 | 0 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 |
| 2021 | 0 | 0 | 0 | 1,004 | 0 | 0 | 1,004 | 0 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 |
| 2022 | 0 | 0 | 0 | 795 | 0 | 0 | 795 | 0 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 |
| 2023 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 |
| 2024 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 |
| 2025 | 0 | 0 | 0 | 394 | 0 | 11 | 382 | 0 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 |
| 2026 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 0 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 |
| 2027 | 0 | 0 | 0 | 209 | 0 | 11 | 198 | 0 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 |
| 2028 | 0 | 0 | 0 | 129 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 |
| 2029 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 |
| Sub. | 0 | 0 | 0 | 6,664 | 0 | 35 | 6,629 | 0 | 0 | 0 | 0 | 0 | 6,629 | 6,629 | 5,007 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 144 | -144 | 0 | 0 | 0 | 0 | 0 | -144 | 6,485 | 4,973 |
| Tot. | 0 | 0 | 0 | 6,664 | 0 | 179 | 6,485 | 0 | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 |
| Disc | 0 | 0 | 0 | 5,022 | 0 | 49 | 4,973 | 0 | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,427 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,236 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,004 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 795 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 635 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 514 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 382 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 299 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 198 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 129 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 22 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | -12 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 6,629 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -144 | 149 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 83 |
| Tot. | 6,485 | 149 | 0 | 0 | 0 | 0 | 7,010 | 0 | 0 | 0 | 0 | 7,010 |
| Disc | 4,973 | | | | | | 5,322 | 0 | 0 | 0 | 0 | 5,322 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -181 | 22.0 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 | 1,427 | 1,427 | 1,361 |
| 2020 | -326 | 22.0 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 | 1,236 | 2,663 | 2,432 |
| 2021 | 151 | 22.0 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 | 1,004 | 3,667 | 3,224 |
| 2022 | 2 | 22.0 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 | 795 | 4,463 | 3,793 |
| 2023 | -134 | 22.0 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 | 635 | 5,098 | 4,207 |
| 2024 | 181 | 22.0 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 | 514 | 5,612 | 4,511 |
| 2025 | 94 | 22.0 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 | 382 | 5,994 | 4,717 |
| 2026 | 51 | 22.0 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 | 299 | 6,293 | 4,863 |
| 2027 | -43 | 22.0 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 | 198 | 6,491 | 4,951 |
| 2028 | -26 | 22.0 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 | 129 | 6,620 | 5,003 |
| 2029 | -17 | 22.0 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 | 22 | 6,641 | 5,011 |
| 2030 | -49 | 22.0 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 | -12 | 6,629 | 5,007 |
| Sub. | -298 | | 0 | 0 | 0 | 0 | 6,629 | 6,629 | 5,007 | 6,629 | 6,629 | 5,007 |
| Rem. | -226 | | 0 | 0 | 0 | 0 | -144 | 6,485 | 4,973 | -144 | 6,485 | 4,973 |
| Tot. | -524 | | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 | 6,485 | 6,485 | 4,973 |
| Disc | -349 | | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 | 4,973 | 4,973 | 4,973 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 6,664 | 6,485 | 0 | 6,485 | 25.40 | 6,485 | 0 | 6,485 | 25.40 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 5,730 | 5,638 | 0 | 5,638 | 22.08 | 5,638 | 0 | 5,638 | 22.08 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,283 | 5,220 | 0 | 5,220 | 20.45 | 5,220 | 0 | 5,220 | 20.45 |
| | | | 10 | 5,022 | 4,973 | 0 | 4,973 | 19.48 | 4,973 | 0 | 4,973 | 19.48 |
| | | | 12 | 4,786 | 4,747 | 0 | 4,747 | 18.59 | 4,747 | 0 | 4,747 | 18.59 |
| | | | 15 | 4,472 | 4,444 | 0 | 4,444 | 17.41 | 4,444 | 0 | 4,444 | 17.41 |
| | | | 20 | 4,035 | 4,018 | 0 | 4,018 | 15.74 | 4,018 | 0 | 4,018 | 15.74 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:51

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 60.72 |
| 2020 | 3 | 105 | 38 | 34 | 65.76 |
| 2021 | 3 | 88 | 32 | 28 | 68.40 |
| 2022 | 3 | 75 | 27 | 24 | 70.08 |
| 2023 | 2 | 64 | 23 | 20 | 72.48 |
| 2024 | 2 | 56 | 20 | 18 | 74.88 |
| 2025 | 2 | 48 | 18 | 15 | 77.28 |
| 2026 | 2 | 42 | 15 | 13 | 80.07 |
| 2027 | 2 | 37 | 13 | 12 | 81.62 |
| 2028 | 2 | 33 | 12 | 11 | 83.19 |
| 2029 | 2 | 25 | 9 | 8 | 84.86 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| Sub. | | | 255 | 223 | 70.98 |
| Rem. | | | 0 | 0 | 0.00 |
| Tot. | | | 255 | 223 | 70.98 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest | Company Interest | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. | Net Revenue After Royalty | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|------------------|------------------|--------------------------------|-----------|--------------------------|-----------|------------------------------|---------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | M\$ | M\$ | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 2,811 | 0 | 0 | 2,811 | 0 | 2,811 | 351 | 0 | 0 | 0 | 351 | 2,460 | 584 | 449 | 1,033 |
| 2020 | 2,529 | 0 | 0 | 2,529 | 0 | 2,529 | 316 | 0 | 0 | 0 | 316 | 2,213 | 596 | 380 | 976 |
| 2021 | 2,189 | 0 | 0 | 2,189 | 0 | 2,189 | 274 | 0 | 0 | 0 | 274 | 1,916 | 589 | 323 | 912 |
| 2022 | 1,911 | 0 | 0 | 1,911 | 0 | 1,911 | 239 | 0 | 0 | 0 | 239 | 1,672 | 596 | 281 | 877 |
| 2023 | 1,682 | 0 | 0 | 1,682 | 0 | 1,682 | 210 | 0 | 0 | 0 | 210 | 1,472 | 593 | 244 | 836 |
| 2024 | 1,530 | 0 | 0 | 1,530 | 0 | 1,530 | 191 | 0 | 0 | 0 | 191 | 1,338 | 606 | 219 | 825 |
| 2025 | 1,362 | 0 | 0 | 1,362 | 0 | 1,362 | 170 | 0 | 0 | 0 | 170 | 1,192 | 606 | 192 | 798 |
| 2026 | 1,233 | 0 | 0 | 1,233 | 0 | 1,233 | 154 | 0 | 0 | 0 | 154 | 1,079 | 608 | 172 | 780 |
| 2027 | 1,097 | 0 | 0 | 1,097 | 0 | 1,097 | 137 | 0 | 0 | 0 | 137 | 960 | 598 | 153 | 750 |
| 2028 | 1,001 | 0 | 0 | 1,001 | 0 | 1,001 | 125 | 0 | 0 | 0 | 125 | 876 | 607 | 139 | 747 |
| 2029 | 779 | 0 | 0 | 779 | 0 | 779 | 97 | 0 | 0 | 0 | 97 | 682 | 552 | 108 | 660 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Disc | 12,482 | 0 | 0 | 12,482 | 0 | 12,482 | 1,560 | 0 | 0 | 0 | 1,560 | 10,922 | 4,046 | 1,853 | 5,900 |

| Year | Mineral Tax | Capital Tax | NPI Burden | Net Prod'n Revenue | Other Income | Aband. & Recl. Costs | Oper. Income | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-------------|-------------|------------|--------------------|--------------|----------------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|
| | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 0 | 0 | 0 | 1,427 | 0 | 0 | 1,427 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 |
| 2020 | 0 | 0 | 0 | 1,236 | 0 | 0 | 1,236 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 |
| 2021 | 0 | 0 | 0 | 1,004 | 0 | 0 | 1,004 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 |
| 2022 | 0 | 0 | 0 | 795 | 0 | 0 | 795 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 |
| 2023 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 |
| 2024 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 |
| 2025 | 0 | 0 | 0 | 394 | 0 | 11 | 382 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 |
| 2026 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 |
| 2027 | 0 | 0 | 0 | 209 | 0 | 11 | 198 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 |
| 2028 | 0 | 0 | 0 | 129 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 |
| 2029 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 |
| Sub. | 0 | 0 | 0 | 6,664 | 0 | 35 | 6,629 | 0 | 0 | 0 | 0 | 6,629 | 6,629 | 5,007 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 144 | -144 | 0 | 0 | 0 | 0 | -144 | 6,485 | 4,973 |
| Tot. | 0 | 0 | 0 | 6,664 | 0 | 179 | 6,485 | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 |
| Disc | 0 | 0 | 0 | 5,022 | 0 | 49 | 4,973 | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,427 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,236 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,004 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 795 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 635 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 514 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 382 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 299 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 198 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 129 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 22 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | -12 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 6,629 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -144 | 149 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 83 |
| Tot. | 6,485 | 149 | 0 | 0 | 0 | 0 | 7,010 | 0 | 0 | 0 | 0 | 7,010 |
| Disc | 4,973 | | | | | | 5,322 | 0 | 0 | 0 | 0 | 5,322 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -181 | 22.0 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 | 1,427 | 1,427 | 1,361 |
| 2020 | -326 | 22.0 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 | 1,236 | 2,663 | 2,432 |
| 2021 | 151 | 22.0 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 | 1,004 | 3,667 | 3,224 |
| 2022 | 2 | 22.0 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 | 795 | 4,463 | 3,793 |
| 2023 | -134 | 22.0 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 | 635 | 5,098 | 4,207 |
| 2024 | 181 | 22.0 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 | 514 | 5,612 | 4,511 |
| 2025 | 94 | 22.0 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 | 382 | 5,994 | 4,717 |
| 2026 | 51 | 22.0 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 | 299 | 6,293 | 4,863 |
| 2027 | -43 | 22.0 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 | 198 | 6,491 | 4,951 |
| 2028 | -26 | 22.0 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 | 129 | 6,620 | 5,003 |
| 2029 | -17 | 22.0 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 | 22 | 6,641 | 5,011 |
| 2030 | -49 | 22.0 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 | -12 | 6,629 | 5,007 |
| Sub. | -298 | | 0 | 0 | 0 | 0 | 6,629 | 6,629 | 5,007 | 6,629 | 6,629 | 5,007 |
| Rem. | -226 | | 0 | 0 | 0 | 0 | -144 | 6,485 | 4,973 | -144 | 6,485 | 4,973 |
| Tot. | -524 | | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 | 6,485 | 6,485 | 4,973 |
| Disc | -349 | | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 | 4,973 | 4,973 | 4,973 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 6,664 | 6,485 | 0 | 6,485 | 25.40 | 6,485 | 0 | 6,485 | 25.40 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 5,730 | 5,638 | 0 | 5,638 | 22.08 | 5,638 | 0 | 5,638 | 22.08 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,283 | 5,220 | 0 | 5,220 | 20.45 | 5,220 | 0 | 5,220 | 20.45 |
| | | | 10 | 5,022 | 4,973 | 0 | 4,973 | 19.48 | 4,973 | 0 | 4,973 | 19.48 |
| | | | 12 | 4,786 | 4,747 | 0 | 4,747 | 18.59 | 4,747 | 0 | 4,747 | 18.59 |
| | | | 15 | 4,472 | 4,444 | 0 | 4,444 | 17.41 | 4,444 | 0 | 4,444 | 17.41 |
| | | | 20 | 4,035 | 4,018 | 0 | 4,018 | 15.74 | 4,018 | 0 | 4,018 | 15.74 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:52

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 2 | 1 | 1 | 60.72 |
| 2020 | 0 | 5 | 2 | 2 | 65.76 |
| 2021 | 0 | 8 | 3 | 3 | 68.40 |
| 2022 | 0 | 8 | 3 | 3 | 70.08 |
| 2023 | 0 | 10 | 4 | 3 | 72.48 |
| 2024 | 0 | 9 | 3 | 3 | 74.88 |
| 2025 | 0 | 10 | 4 | 3 | 77.28 |
| 2026 | 0 | 10 | 4 | 3 | 80.07 |
| 2027 | 0 | 11 | 4 | 4 | 81.62 |
| 2028 | 0 | 10 | 4 | 3 | 83.19 |
| 2029 | 1 | 14 | 5 | 4 | 84.86 |
| 2030 | 2 | 35 | 13 | 11 | 86.55 |
| Sub. | | | 48 | 42 | 79.34 |
| Rem. | | | 21 | 18 | 89.07 |
| Tot. | | | 69 | 60 | 82.27 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|--------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 46 | 0 | 0 | 46 | 0 | 46 | 6 | 0 | 0 | 0 | 6 | 40 | 0 | 7 | 8 |
| 2020 | 122 | 0 | 0 | 122 | 0 | 122 | 15 | 0 | 0 | 0 | 15 | 107 | 1 | 18 | 19 |
| 2021 | 196 | 0 | 0 | 196 | 0 | 196 | 25 | 0 | 0 | 0 | 25 | 172 | 21 | 29 | 50 |
| 2022 | 212 | 0 | 0 | 212 | 0 | 212 | 27 | 0 | 0 | 0 | 27 | 186 | 7 | 31 | 38 |
| 2023 | 268 | 0 | 0 | 268 | 0 | 268 | 33 | 0 | 0 | 0 | 33 | 234 | 23 | 39 | 62 |
| 2024 | 241 | 0 | 0 | 241 | 0 | 241 | 30 | 0 | 0 | 0 | 30 | 211 | 7 | 34 | 42 |
| 2025 | 271 | 0 | 0 | 271 | 0 | 271 | 34 | 0 | 0 | 0 | 34 | 237 | 15 | 38 | 53 |
| 2026 | 305 | 0 | 0 | 305 | 0 | 305 | 38 | 0 | 0 | 0 | 38 | 267 | 26 | 42 | 68 |
| 2027 | 335 | 0 | 0 | 335 | 0 | 335 | 42 | 0 | 0 | 0 | 42 | 293 | 50 | 47 | 97 |
| 2028 | 304 | 0 | 0 | 304 | 0 | 304 | 38 | 0 | 0 | 0 | 38 | 266 | 38 | 42 | 80 |
| 2029 | 423 | 0 | 0 | 423 | 0 | 423 | 53 | 0 | 0 | 0 | 53 | 370 | 99 | 59 | 158 |
| 2030 | 1,102 | 0 | 0 | 1,102 | 0 | 1,102 | 138 | 0 | 0 | 0 | 138 | 965 | 639 | 154 | 792 |
| Sub. | 3,825 | 0 | 0 | 3,825 | 0 | 3,825 | 478 | 0 | 0 | 0 | 478 | 3,347 | 926 | 541 | 1,468 |
| Rem. | 1,853 | 0 | 0 | 1,853 | 0 | 1,853 | 232 | 0 | 0 | 0 | 232 | 1,622 | 1,234 | 258 | 1,492 |
| Tot. | 5,679 | 0 | 0 | 5,679 | 0 | 5,679 | 710 | 0 | 0 | 0 | 710 | 4,969 | 2,160 | 800 | 2,960 |
| Disc | 2,404 | 0 | 0 | 2,404 | 0 | 2,404 | 301 | 0 | 0 | 0 | 301 | 2,104 | 709 | 341 | 1,050 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|--------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ | |
| 2019 | 0 | 0 | 0 | 32 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 32 | 32 | 31 |
| 2020 | 0 | 0 | 0 | 88 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 0 | 88 | 120 | 107 |
| 2021 | 0 | 0 | 0 | 121 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 0 | 121 | 241 | 202 |
| 2022 | 0 | 0 | 0 | 148 | 0 | 0 | 148 | 0 | 0 | 0 | 0 | 0 | 148 | 389 | 308 |
| 2023 | 0 | 0 | 0 | 172 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 0 | 172 | 561 | 420 |
| 2024 | 0 | 0 | 0 | 169 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 0 | 169 | 730 | 520 |
| 2025 | 0 | 0 | 0 | 184 | 0 | -11 | 195 | 0 | 0 | 0 | 0 | 0 | 195 | 925 | 625 |
| 2026 | 0 | 0 | 0 | 198 | 0 | 11 | 187 | 0 | 0 | 0 | 0 | 0 | 187 | 1,113 | 717 |
| 2027 | 0 | 0 | 0 | 196 | 0 | -11 | 208 | 0 | 0 | 0 | 0 | 0 | 208 | 1,320 | 810 |
| 2028 | 0 | 0 | 0 | 186 | 0 | 0 | 186 | 0 | 0 | 0 | 0 | 0 | 186 | 1,506 | 885 |
| 2029 | 0 | 0 | 0 | 212 | 0 | 12 | 200 | 0 | 0 | 0 | 0 | 0 | 200 | 1,707 | 958 |
| 2030 | 0 | 0 | 0 | 172 | 0 | -12 | 184 | 0 | 0 | 0 | 0 | 0 | 184 | 1,891 | 1,020 |
| Sub. | 0 | 0 | 0 | 1,879 | 0 | -12 | 1,891 | 0 | 0 | 0 | 0 | 0 | 1,891 | 1,891 | 1,020 |
| Rem. | 0 | 0 | 0 | 130 | 0 | 22 | 108 | 0 | 0 | 0 | 0 | 0 | 108 | 1,999 | 1,063 |
| Tot. | 0 | 0 | 0 | 2,009 | 0 | 11 | 1,999 | 0 | 0 | 0 | 0 | 0 | 1,999 | 1,999 | 1,063 |
| Disc | 0 | 0 | 0 | 1,054 | 0 | -9 | 1,063 | 0 | 0 | 0 | 0 | 0 | 1,063 | 1,063 | 1,063 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|-----------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2023 | 172 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2024 | 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2025 | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2026 | 187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2027 | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2028 | 186 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2029 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2030 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 1,891 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rem. | 108 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 29 |
| Tot. | 1,999 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 29 |
| Disc | 1,063 | | | | | | 6 | 0 | 0 | 0 | 0 | 6 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 32 | 22.0 | 0 | 0 | 0 | 0 | 32 | 32 | 31 | 32 | 32 | 31 |
| 2020 | 88 | 22.0 | 0 | 0 | 0 | 0 | 88 | 120 | 107 | 88 | 120 | 107 |
| 2021 | 121 | 22.0 | 0 | 0 | 0 | 0 | 121 | 241 | 202 | 121 | 241 | 202 |
| 2022 | 148 | 22.0 | 8 | 0 | 0 | 8 | 148 | 389 | 308 | 140 | 381 | 303 |
| 2023 | 172 | 22.0 | 8 | 0 | 0 | 8 | 172 | 561 | 420 | 164 | 545 | 409 |
| 2024 | 169 | 22.0 | 77 | 0 | 0 | 77 | 169 | 730 | 520 | 92 | 637 | 464 |
| 2025 | 195 | 22.0 | 64 | 0 | 0 | 64 | 195 | 925 | 625 | 132 | 769 | 535 |
| 2026 | 187 | 22.0 | 52 | 0 | 0 | 52 | 187 | 1,113 | 717 | 135 | 904 | 601 |
| 2027 | 208 | 22.0 | 36 | 0 | 0 | 36 | 208 | 1,320 | 810 | 172 | 1,075 | 677 |
| 2028 | 186 | 22.0 | 35 | 0 | 0 | 35 | 186 | 1,506 | 885 | 150 | 1,226 | 738 |
| 2029 | 200 | 22.0 | 40 | 0 | 0 | 40 | 200 | 1,707 | 958 | 160 | 1,386 | 797 |
| 2030 | 184 | 22.0 | 30 | 0 | 0 | 30 | 184 | 1,891 | 1,020 | 155 | 1,540 | 848 |
| Sub. | 1,891 | | 350 | 0 | 0 | 350 | 1,891 | 1,891 | 1,020 | 1,540 | 1,540 | 848 |
| Rem. | 79 | | 17 | 0 | 0 | 17 | 108 | 1,999 | 1,063 | 91 | 1,631 | 886 |
| Tot. | 1,970 | | 368 | 0 | 0 | 368 | 1,999 | 1,999 | 1,063 | 1,631 | 1,631 | 886 |
| Disc | 1,057 | | 177 | 0 | 0 | 177 | 1,063 | 1,063 | 1,063 | 886 | 886 | 886 |

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 |
| Light/Med Oil | Mbbl | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 91.5 | 10.8 |
| Total: Oil Eq. | Mboe | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 91.5 | 10.8 |

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 | |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 10.12 | 0.00 | 43.01 | 4,969 | 100 | 2,104 | 100 | |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 10.12 | 0.00 | 43.01 | 4,969 | 100 | 2,104 | 100 | |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 2,009 | 1,999 | 0 | 1,999 | 28.96 | 1,631 | 0 | 1,631 | 23.63 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,426 | 1,433 | 0 | 1,433 | 20.77 | 1,182 | 0 | 1,182 | 17.13 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 1,184 | 1,193 | 0 | 1,193 | 17.28 | 990 | 0 | 990 | 14.35 |
| | | | 10 | 1,054 | 1,063 | 0 | 1,063 | 15.40 | 886 | 0 | 886 | 12.84 |
| | | | 12 | 943 | 951 | 0 | 951 | 13.78 | 797 | 0 | 797 | 11.54 |
| | | | 15 | 806 | 813 | 0 | 813 | 11.79 | 686 | 0 | 686 | 9.94 |
| | | | 20 | 636 | 641 | 0 | 641 | 9.29 | 547 | 0 | 547 | 7.93 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:53

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 129 | 47 | 41 | 60.72 |
| 2020 | 3 | 110 | 40 | 35 | 65.76 |
| 2021 | 3 | 96 | 35 | 31 | 68.40 |
| 2022 | 3 | 83 | 30 | 27 | 70.08 |
| 2023 | 3 | 74 | 27 | 24 | 72.48 |
| 2024 | 3 | 65 | 24 | 21 | 74.88 |
| 2025 | 2 | 58 | 21 | 18 | 77.28 |
| 2026 | 2 | 53 | 19 | 17 | 80.07 |
| 2027 | 2 | 48 | 18 | 15 | 81.62 |
| 2028 | 2 | 43 | 16 | 14 | 83.19 |
| 2029 | 2 | 39 | 14 | 12 | 84.86 |
| 2030 | 2 | 35 | 13 | 11 | 86.55 |
| Sub. | | | 304 | 266 | 72.31 |
| Rem. | | | 21 | 18 | 89.07 |
| Tot. | | | 324 | 284 | 73.38 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|---------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 2,857 | 0 | 0 | 2,857 | 0 | 2,857 | 357 | 0 | 0 | 0 | 357 | 2,500 | 584 | 456 | 1,040 |
| 2020 | 2,651 | 0 | 0 | 2,651 | 0 | 2,651 | 331 | 0 | 0 | 0 | 331 | 2,319 | 597 | 399 | 996 |
| 2021 | 2,386 | 0 | 0 | 2,386 | 0 | 2,386 | 298 | 0 | 0 | 0 | 298 | 2,087 | 610 | 352 | 962 |
| 2022 | 2,123 | 0 | 0 | 2,123 | 0 | 2,123 | 265 | 0 | 0 | 0 | 265 | 1,857 | 603 | 312 | 915 |
| 2023 | 1,950 | 0 | 0 | 1,950 | 0 | 1,950 | 244 | 0 | 0 | 0 | 244 | 1,706 | 616 | 282 | 899 |
| 2024 | 1,771 | 0 | 0 | 1,771 | 0 | 1,771 | 221 | 0 | 0 | 0 | 221 | 1,549 | 613 | 253 | 866 |
| 2025 | 1,633 | 0 | 0 | 1,633 | 0 | 1,633 | 204 | 0 | 0 | 0 | 204 | 1,429 | 621 | 231 | 851 |
| 2026 | 1,538 | 0 | 0 | 1,538 | 0 | 1,538 | 192 | 0 | 0 | 0 | 192 | 1,346 | 634 | 214 | 848 |
| 2027 | 1,432 | 0 | 0 | 1,432 | 0 | 1,432 | 179 | 0 | 0 | 0 | 179 | 1,253 | 648 | 199 | 847 |
| 2028 | 1,305 | 0 | 0 | 1,305 | 0 | 1,305 | 163 | 0 | 0 | 0 | 163 | 1,142 | 645 | 182 | 827 |
| 2029 | 1,202 | 0 | 0 | 1,202 | 0 | 1,202 | 150 | 0 | 0 | 0 | 150 | 1,052 | 650 | 167 | 818 |
| 2030 | 1,102 | 0 | 0 | 1,102 | 0 | 1,102 | 138 | 0 | 0 | 0 | 138 | 965 | 639 | 154 | 792 |
| Sub. | 21,948 | 0 | 0 | 21,948 | 0 | 21,948 | 2,744 | 0 | 0 | 0 | 2,744 | 19,205 | 7,460 | 3,202 | 10,661 |
| Rem. | 1,853 | 0 | 0 | 1,853 | 0 | 1,853 | 232 | 0 | 0 | 0 | 232 | 1,622 | 1,234 | 258 | 1,492 |
| Tot. | 23,802 | 0 | 0 | 23,802 | 0 | 23,802 | 2,975 | 0 | 0 | 0 | 2,975 | 20,826 | 8,693 | 3,460 | 12,153 |
| Disc | 14,886 | 0 | 0 | 14,886 | 0 | 14,886 | 1,861 | 0 | 0 | 0 | 1,861 | 13,025 | 4,755 | 2,195 | 6,950 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ |
| 2019 | 0 | 0 | 0 | 1,460 | 0 | 0 | 1,460 | 0 | 0 | 0 | 0 | 1,460 | 1,460 | 1,392 |
| 2020 | 0 | 0 | 0 | 1,324 | 0 | 0 | 1,324 | 0 | 0 | 0 | 0 | 1,324 | 2,783 | 2,539 |
| 2021 | 0 | 0 | 0 | 1,125 | 0 | 0 | 1,125 | 0 | 0 | 0 | 0 | 1,125 | 3,909 | 3,426 |
| 2022 | 0 | 0 | 0 | 943 | 0 | 0 | 943 | 0 | 0 | 0 | 0 | 943 | 4,852 | 4,101 |
| 2023 | 0 | 0 | 0 | 807 | 0 | 0 | 807 | 0 | 0 | 0 | 0 | 807 | 5,659 | 4,627 |
| 2024 | 0 | 0 | 0 | 683 | 0 | 0 | 683 | 0 | 0 | 0 | 0 | 683 | 6,342 | 5,031 |
| 2025 | 0 | 0 | 0 | 578 | 0 | 0 | 578 | 0 | 0 | 0 | 0 | 578 | 6,919 | 5,342 |
| 2026 | 0 | 0 | 0 | 498 | 0 | 11 | 486 | 0 | 0 | 0 | 0 | 486 | 7,406 | 5,580 |
| 2027 | 0 | 0 | 0 | 406 | 0 | 0 | 406 | 0 | 0 | 0 | 0 | 406 | 7,811 | 5,761 |
| 2028 | 0 | 0 | 0 | 315 | 0 | 0 | 315 | 0 | 0 | 0 | 0 | 315 | 8,126 | 5,888 |
| 2029 | 0 | 0 | 0 | 234 | 0 | 12 | 222 | 0 | 0 | 0 | 0 | 222 | 8,348 | 5,969 |
| 2030 | 0 | 0 | 0 | 172 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 172 | 8,520 | 6,027 |
| Sub. | 0 | 0 | 0 | 8,543 | 0 | 23 | 8,520 | 0 | 0 | 0 | 0 | 8,520 | 8,520 | 6,027 |
| Rem. | 0 | 0 | 0 | 130 | 0 | 166 | -36 | 0 | 0 | 0 | 0 | -36 | 8,484 | 6,035 |
| Tot. | 0 | 0 | 0 | 8,673 | 0 | 189 | 8,484 | 0 | 0 | 0 | 0 | 8,484 | 8,484 | 6,035 |
| Disc | 0 | 0 | 0 | 6,076 | 0 | 40 | 6,035 | 0 | 0 | 0 | 0 | 6,035 | 6,035 | 6,035 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,460 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,324 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,125 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 943 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 807 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 683 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 578 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 486 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 406 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 315 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 222 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | 172 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 8,520 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -36 | 149 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 111 |
| Tot. | 8,484 | 149 | 0 | 0 | 0 | 0 | 7,039 | 0 | 0 | 0 | 0 | 7,039 |
| Disc | 6,035 | | | | | | 5,328 | 0 | 0 | 0 | 0 | 5,328 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -149 | 22.0 | 0 | 0 | 0 | 0 | 1,460 | 1,460 | 1,392 | 1,460 | 1,460 | 1,392 |
| 2020 | -238 | 22.0 | 0 | 0 | 0 | 0 | 1,324 | 2,783 | 2,539 | 1,324 | 2,783 | 2,539 |
| 2021 | 272 | 22.0 | 0 | 0 | 0 | 0 | 1,125 | 3,909 | 3,426 | 1,125 | 3,909 | 3,426 |
| 2022 | 150 | 22.0 | 8 | 0 | 0 | 8 | 943 | 4,852 | 4,101 | 935 | 4,844 | 4,096 |
| 2023 | 38 | 22.0 | 8 | 0 | 0 | 8 | 807 | 5,659 | 4,627 | 799 | 5,643 | 4,616 |
| 2024 | 350 | 22.0 | 77 | 0 | 0 | 77 | 683 | 6,342 | 5,031 | 606 | 6,249 | 4,975 |
| 2025 | 289 | 22.0 | 64 | 0 | 0 | 64 | 578 | 6,919 | 5,342 | 514 | 6,763 | 5,252 |
| 2026 | 238 | 22.0 | 52 | 0 | 0 | 52 | 486 | 7,406 | 5,580 | 434 | 7,197 | 5,464 |
| 2027 | 165 | 22.0 | 36 | 0 | 0 | 36 | 406 | 7,811 | 5,761 | 369 | 7,566 | 5,628 |
| 2028 | 160 | 22.0 | 35 | 0 | 0 | 35 | 315 | 8,126 | 5,888 | 279 | 7,846 | 5,741 |
| 2029 | 184 | 22.0 | 40 | 0 | 0 | 40 | 222 | 8,348 | 5,969 | 182 | 8,027 | 5,808 |
| 2030 | 135 | 22.0 | 30 | 0 | 0 | 30 | 172 | 8,520 | 6,027 | 143 | 8,170 | 5,856 |
| Sub. | 1,593 | | 350 | 0 | 0 | 350 | 8,520 | 8,520 | 6,027 | 8,170 | 8,170 | 5,856 |
| Rem. | -147 | | 17 | 0 | 0 | 17 | -36 | 8,484 | 6,035 | -53 | 8,117 | 5,859 |
| Tot. | 1,446 | | 368 | 0 | 0 | 368 | 8,484 | 8,484 | 6,035 | 8,117 | 8,117 | 5,859 |
| Disc | 708 | | 177 | 0 | 0 | 177 | 6,035 | 6,035 | 6,035 | 5,859 | 5,859 | 5,859 |

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 |
| Light/Med Oil | Mbbl | 324 | 0 | 324 | 284 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |
| Total: Oil Eq. | Mboe | 324 | 0 | 324 | 284 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |

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 | |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 8,673 | 8,484 | 0 | 8,484 | 26.16 | 8,117 | 0 | 8,117 | 25.02 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 7,156 | 7,072 | 0 | 7,072 | 21.80 | 6,821 | 0 | 6,821 | 21.03 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 6,467 | 6,413 | 0 | 6,413 | 19.77 | 6,211 | 0 | 6,211 | 19.15 |
| | | | 10 | 6,076 | 6,035 | 0 | 6,035 | 18.61 | 5,859 | 0 | 5,859 | 18.06 |
| | | | 12 | 5,729 | 5,698 | 0 | 5,698 | 17.57 | 5,544 | 0 | 5,544 | 17.09 |
| | | | 15 | 5,278 | 5,258 | 0 | 5,258 | 16.21 | 5,130 | 0 | 5,130 | 15.82 |
| | | | 20 | 4,671 | 4,659 | 0 | 4,659 | 14.37 | 4,565 | 0 | 4,565 | 14.08 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:53

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 1 | 0 | 0 | 60.72 |
| 2020 | 0 | 3 | 1 | 1 | 65.76 |
| 2021 | 0 | 4 | 2 | 1 | 68.40 |
| 2022 | 0 | 6 | 2 | 2 | 70.08 |
| 2023 | 0 | 6 | 2 | 2 | 72.48 |
| 2024 | 0 | 7 | 3 | 2 | 74.88 |
| 2025 | 0 | 7 | 3 | 2 | 77.28 |
| 2026 | 0 | 6 | 2 | 2 | 80.07 |
| 2027 | 0 | 6 | 2 | 2 | 81.62 |
| 2028 | 0 | 8 | 3 | 2 | 83.19 |
| 2029 | 0 | 8 | 3 | 3 | 84.86 |
| 2030 | 0 | 9 | 3 | 3 | 86.55 |
| Sub. | | | 26 | 23 | 77.97 |
| Rem. | | | 40 | 35 | 92.83 |
| Tot. | | | 66 | 58 | 86.90 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|--------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 26 | 0 | 0 | 26 | 0 | 26 | 3 | 0 | 0 | 0 | 3 | 23 | 0 | 4 | 4 |
| 2020 | 73 | 0 | 0 | 73 | 0 | 73 | 9 | 0 | 0 | 0 | 9 | 64 | 1 | 11 | 12 |
| 2021 | 109 | 0 | 0 | 109 | 0 | 109 | 14 | 0 | 0 | 0 | 14 | 95 | 1 | 16 | 17 |
| 2022 | 158 | 0 | 0 | 158 | 0 | 158 | 20 | 0 | 0 | 0 | 20 | 139 | 22 | 23 | 45 |
| 2023 | 150 | 0 | 0 | 150 | 0 | 150 | 19 | 0 | 0 | 0 | 19 | 131 | 1 | 22 | 23 |
| 2024 | 204 | 0 | 0 | 204 | 0 | 204 | 25 | 0 | 0 | 0 | 25 | 178 | 18 | 29 | 47 |
| 2025 | 211 | 0 | 0 | 211 | 0 | 211 | 26 | 0 | 0 | 0 | 26 | 185 | 19 | 30 | 49 |
| 2026 | 177 | 0 | 0 | 177 | 0 | 177 | 22 | 0 | 0 | 0 | 22 | 155 | 1 | 25 | 25 |
| 2027 | 184 | 0 | 0 | 184 | 0 | 184 | 23 | 0 | 0 | 0 | 23 | 161 | 1 | 26 | 26 |
| 2028 | 229 | 0 | 0 | 229 | 0 | 229 | 29 | 0 | 0 | 0 | 29 | 200 | 17 | 32 | 49 |
| 2029 | 252 | 0 | 0 | 252 | 0 | 252 | 31 | 0 | 0 | 0 | 31 | 220 | 27 | 35 | 62 |
| 2030 | 283 | 0 | 0 | 283 | 0 | 283 | 35 | 0 | 0 | 0 | 35 | 248 | 53 | 39 | 92 |
| Sub. | 2,056 | 0 | 0 | 2,056 | 0 | 2,056 | 257 | 0 | 0 | 0 | 257 | 1,799 | 159 | 292 | 450 |
| Rem. | 3,690 | 0 | 0 | 3,690 | 0 | 3,690 | 461 | 0 | 0 | 0 | 461 | 3,229 | 2,121 | 514 | 2,635 |
| Tot. | 5,746 | 0 | 0 | 5,746 | 0 | 5,746 | 718 | 0 | 0 | 0 | 718 | 5,028 | 2,280 | 806 | 3,086 |
| Disc | 1,953 | 0 | 0 | 1,953 | 0 | 1,953 | 244 | 0 | 0 | 0 | 244 | 1,709 | 566 | 276 | 842 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | |
| 2019 | 0 | 0 | 0 | 19 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 19 | 19 | 18 |
| 2020 | 0 | 0 | 0 | 53 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 53 | 71 | 63 |
| 2021 | 0 | 0 | 0 | 78 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 78 | 150 | 125 |
| 2022 | 0 | 0 | 0 | 94 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 94 | 243 | 192 |
| 2023 | 0 | 0 | 0 | 108 | 0 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 108 | 352 | 263 |
| 2024 | 0 | 0 | 0 | 131 | 0 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 131 | 483 | 341 |
| 2025 | 0 | 0 | 0 | 136 | 0 | 0 | 136 | 0 | 0 | 0 | 0 | 0 | 136 | 619 | 414 |
| 2026 | 0 | 0 | 0 | 129 | 0 | -11 | 141 | 0 | 0 | 0 | 0 | 0 | 141 | 760 | 483 |
| 2027 | 0 | 0 | 0 | 135 | 0 | 11 | 123 | 0 | 0 | 0 | 0 | 0 | 123 | 883 | 538 |
| 2028 | 0 | 0 | 0 | 151 | 0 | 0 | 151 | 0 | 0 | 0 | 0 | 0 | 151 | 1,034 | 599 |
| 2029 | 0 | 0 | 0 | 158 | 0 | -12 | 170 | 0 | 0 | 0 | 0 | 0 | 170 | 1,204 | 661 |
| 2030 | 0 | 0 | 0 | 156 | 0 | 12 | 144 | 0 | 0 | 0 | 0 | 0 | 144 | 1,348 | 709 |
| Sub. | 0 | 0 | 0 | 1,349 | 0 | 0 | 1,348 | 0 | 0 | 0 | 0 | 0 | 1,348 | 1,348 | 709 |
| Rem. | 0 | 0 | 0 | 594 | 0 | 10 | 584 | 0 | 0 | 0 | 0 | 0 | 584 | 1,932 | 873 |
| Tot. | 0 | 0 | 0 | 1,942 | 0 | 10 | 1,932 | 0 | 0 | 0 | 0 | 0 | 1,932 | 1,932 | 873 |
| Disc | 0 | 0 | 0 | 866 | 0 | -7 | 873 | 0 | 0 | 0 | 0 | 0 | 873 | 873 | 873 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 19 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 53 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 78 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 94 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 108 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 131 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 136 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 141 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 123 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 151 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 170 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | 144 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 1,348 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | 584 | 149 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 111 |
| Tot. | 1,932 | 149 | 0 | 0 | 0 | 0 | 7,039 | 0 | 0 | 0 | 0 | 7,039 |
| Disc | 873 | | | | | | 5,328 | 0 | 0 | 0 | 0 | 5,328 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -1,590 | 22.0 | 0 | 0 | 0 | 0 | 19 | 19 | 18 | 19 | 19 | 18 |
| 2020 | -1,509 | 22.0 | 0 | 0 | 0 | 0 | 53 | 71 | 63 | 53 | 71 | 63 |
| 2021 | -775 | 22.0 | 0 | 0 | 0 | 0 | 78 | 150 | 125 | 78 | 150 | 125 |
| 2022 | -699 | 22.0 | 0 | 0 | 0 | 0 | 94 | 243 | 192 | 94 | 243 | 192 |
| 2023 | -661 | 22.0 | 0 | 0 | 0 | 0 | 108 | 352 | 263 | 108 | 352 | 263 |
| 2024 | -202 | 22.0 | 0 | 0 | 0 | 0 | 131 | 483 | 341 | 131 | 483 | 341 |
| 2025 | -153 | 22.0 | 0 | 0 | 0 | 0 | 136 | 619 | 414 | 136 | 619 | 414 |
| 2026 | -107 | 22.0 | 0 | 0 | 0 | 0 | 141 | 760 | 483 | 141 | 760 | 483 |
| 2027 | -118 | 22.0 | 0 | 0 | 0 | 0 | 123 | 883 | 538 | 123 | 883 | 538 |
| 2028 | -4 | 22.0 | 0 | 0 | 0 | 0 | 151 | 1,034 | 599 | 151 | 1,034 | 599 |
| 2029 | 132 | 22.0 | 0 | 0 | 0 | 0 | 170 | 1,204 | 661 | 170 | 1,204 | 661 |
| 2030 | 106 | 22.0 | 0 | 0 | 0 | 0 | 144 | 1,348 | 709 | 144 | 1,348 | 709 |
| Sub. | -5,579 | | 0 | 0 | 0 | 0 | 1,348 | 1,348 | 709 | 1,348 | 1,348 | 709 |
| Rem. | 472 | | 86 | 0 | 0 | 86 | 584 | 1,932 | 873 | 498 | 1,846 | 854 |
| Tot. | -5,107 | | 86 | 0 | 0 | 86 | 1,932 | 1,932 | 873 | 1,846 | 1,846 | 854 |
| Disc | -4,455 | | 20 | 0 | 0 | 20 | 873 | 873 | 873 | 854 | 854 | 854 |

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 |
| Light/Med Oil | Mbbl | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 152.6 | 14.0 |
| Total: Oil Eq. | Mboe | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 152.6 | 14.0 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 10.14 | 0.00 | 42.99 | 5,028 | 100 | 1,709 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 10.14 | 0.00 | 42.99 | 5,028 | 100 | 1,709 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 1,942 | 1,932 | 0 | 1,932 | 29.22 | 1,846 | 0 | 1,846 | 27.91 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,261 | 1,267 | 0 | 1,267 | 19.16 | 1,226 | 0 | 1,226 | 18.55 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 1,000 | 1,007 | 0 | 1,007 | 15.23 | 981 | 0 | 981 | 14.84 |
| | | | 10 | 866 | 873 | 0 | 873 | 13.20 | 854 | 0 | 854 | 12.91 |
| | | | 12 | 757 | 763 | 0 | 763 | 11.53 | 748 | 0 | 748 | 11.31 |
| | | | 15 | 626 | 631 | 0 | 631 | 9.54 | 621 | 0 | 621 | 9.39 |
| | | | 20 | 472 | 475 | 0 | 475 | 7.19 | 470 | 0 | 470 | 7.11 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:53

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 130 | 47 | 42 | 60.72 |
| 2020 | 3 | 113 | 41 | 36 | 65.76 |
| 2021 | 3 | 100 | 36 | 32 | 68.40 |
| 2022 | 3 | 89 | 33 | 28 | 70.08 |
| 2023 | 3 | 79 | 29 | 25 | 72.48 |
| 2024 | 3 | 72 | 26 | 23 | 74.88 |
| 2025 | 3 | 65 | 24 | 21 | 77.28 |
| 2026 | 2 | 59 | 21 | 19 | 80.07 |
| 2027 | 2 | 54 | 20 | 17 | 81.62 |
| 2028 | 2 | 51 | 18 | 16 | 83.19 |
| 2029 | 2 | 47 | 17 | 15 | 84.86 |
| 2030 | 2 | 44 | 16 | 14 | 86.55 |
| Sub. | | | 330 | 289 | 72.76 |
| Rem. | | | 61 | 53 | 91.54 |
| Tot. | | | 390 | 342 | 75.67 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|---------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 2,883 | 0 | 0 | 2,883 | 0 | 2,883 | 360 | 0 | 0 | 0 | 360 | 2,523 | 584 | 461 | 1,045 |
| 2020 | 2,724 | 0 | 0 | 2,724 | 0 | 2,724 | 341 | 0 | 0 | 0 | 341 | 2,384 | 597 | 410 | 1,007 |
| 2021 | 2,494 | 0 | 0 | 2,494 | 0 | 2,494 | 312 | 0 | 0 | 0 | 312 | 2,182 | 611 | 368 | 979 |
| 2022 | 2,281 | 0 | 0 | 2,281 | 0 | 2,281 | 285 | 0 | 0 | 0 | 285 | 1,996 | 624 | 335 | 959 |
| 2023 | 2,099 | 0 | 0 | 2,099 | 0 | 2,099 | 262 | 0 | 0 | 0 | 262 | 1,837 | 617 | 304 | 921 |
| 2024 | 1,974 | 0 | 0 | 1,974 | 0 | 1,974 | 247 | 0 | 0 | 0 | 247 | 1,728 | 631 | 282 | 913 |
| 2025 | 1,844 | 0 | 0 | 1,844 | 0 | 1,844 | 231 | 0 | 0 | 0 | 231 | 1,614 | 639 | 261 | 900 |
| 2026 | 1,715 | 0 | 0 | 1,715 | 0 | 1,715 | 214 | 0 | 0 | 0 | 214 | 1,501 | 635 | 239 | 874 |
| 2027 | 1,616 | 0 | 0 | 1,616 | 0 | 1,616 | 202 | 0 | 0 | 0 | 202 | 1,414 | 649 | 225 | 874 |
| 2028 | 1,534 | 0 | 0 | 1,534 | 0 | 1,534 | 192 | 0 | 0 | 0 | 192 | 1,342 | 663 | 214 | 876 |
| 2029 | 1,453 | 0 | 0 | 1,453 | 0 | 1,453 | 182 | 0 | 0 | 0 | 182 | 1,272 | 677 | 203 | 879 |
| 2030 | 1,386 | 0 | 0 | 1,386 | 0 | 1,386 | 173 | 0 | 0 | 0 | 173 | 1,212 | 691 | 193 | 884 |
| Sub. | 24,004 | 0 | 0 | 24,004 | 0 | 24,004 | 3,001 | 0 | 0 | 0 | 3,001 | 21,004 | 7,618 | 3,494 | 11,112 |
| Rem. | 5,544 | 0 | 0 | 5,544 | 0 | 5,544 | 693 | 0 | 0 | 0 | 693 | 4,851 | 3,355 | 772 | 4,127 |
| Tot. | 29,548 | 0 | 0 | 29,548 | 0 | 29,548 | 3,694 | 0 | 0 | 0 | 3,694 | 25,855 | 10,973 | 4,266 | 15,239 |
| Disc | 16,839 | 0 | 0 | 16,839 | 0 | 16,839 | 2,105 | 0 | 0 | 0 | 2,105 | 14,734 | 5,321 | 2,471 | 7,792 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|---------------|------------------------|-----------|-----------|-----------|----------------------|---------------|---------------|--------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | |
| 2019 | 0 | 0 | 0 | 1,478 | 0 | 0 | 1,478 | 0 | 0 | 0 | 0 | 1,478 | 1,478 | 1,478 | 1,409 |
| 2020 | 0 | 0 | 0 | 1,376 | 0 | 0 | 1,376 | 0 | 0 | 0 | 0 | 1,376 | 2,855 | 2,855 | 2,603 |
| 2021 | 0 | 0 | 0 | 1,204 | 0 | 0 | 1,204 | 0 | 0 | 0 | 0 | 1,204 | 4,058 | 4,058 | 3,551 |
| 2022 | 0 | 0 | 0 | 1,036 | 0 | 0 | 1,036 | 0 | 0 | 0 | 0 | 1,036 | 5,095 | 5,095 | 4,294 |
| 2023 | 0 | 0 | 0 | 916 | 0 | 0 | 916 | 0 | 0 | 0 | 0 | 916 | 6,011 | 6,011 | 4,890 |
| 2024 | 0 | 0 | 0 | 814 | 0 | 0 | 814 | 0 | 0 | 0 | 0 | 814 | 6,825 | 6,825 | 5,372 |
| 2025 | 0 | 0 | 0 | 714 | 0 | 0 | 714 | 0 | 0 | 0 | 0 | 714 | 7,539 | 7,539 | 5,756 |
| 2026 | 0 | 0 | 0 | 627 | 0 | 0 | 627 | 0 | 0 | 0 | 0 | 627 | 8,166 | 8,166 | 6,063 |
| 2027 | 0 | 0 | 0 | 541 | 0 | 11 | 529 | 0 | 0 | 0 | 0 | 529 | 8,695 | 8,695 | 6,298 |
| 2028 | 0 | 0 | 0 | 465 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 465 | 9,160 | 9,160 | 6,486 |
| 2029 | 0 | 0 | 0 | 392 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 392 | 9,552 | 9,552 | 6,631 |
| 2030 | 0 | 0 | 0 | 328 | 0 | 12 | 316 | 0 | 0 | 0 | 0 | 316 | 9,868 | 9,868 | 6,736 |
| Sub. | 0 | 0 | 0 | 9,892 | 0 | 24 | 9,868 | 0 | 0 | 0 | 0 | 9,868 | 9,868 | 9,868 | 6,736 |
| Rem. | 0 | 0 | 0 | 723 | 0 | 176 | 548 | 0 | 0 | 0 | 0 | 548 | 10,416 | 10,416 | 6,909 |
| Tot. | 0 | 0 | 0 | 10,615 | 0 | 199 | 10,416 | 0 | 0 | 0 | 0 | 10,416 | 10,416 | 10,416 | 6,909 |
| Disc | 0 | 0 | 0 | 6,942 | 0 | 34 | 6,909 | 0 | 0 | 0 | 0 | 6,909 | 6,909 | 6,909 | 6,909 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|---------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,478 | 14,077 | 0 | 0 | 0 | 0 | 3,217 | 0 | 0 | 0 | 0 | 3,217 |
| 2020 | 1,376 | 10,860 | 0 | 0 | 0 | 0 | 3,123 | 0 | 0 | 0 | 0 | 3,123 |
| 2021 | 1,204 | 7,737 | 0 | 0 | 0 | 0 | 1,707 | 0 | 0 | 0 | 0 | 1,707 |
| 2022 | 1,036 | 6,030 | 0 | 0 | 0 | 0 | 1,586 | 0 | 0 | 0 | 0 | 1,586 |
| 2023 | 916 | 4,444 | 0 | 0 | 0 | 0 | 1,539 | 0 | 0 | 0 | 0 | 1,539 |
| 2024 | 814 | 2,905 | 0 | 0 | 0 | 0 | 666 | 0 | 0 | 0 | 0 | 666 |
| 2025 | 714 | 2,239 | 0 | 0 | 0 | 0 | 578 | 0 | 0 | 0 | 0 | 578 |
| 2026 | 627 | 1,661 | 0 | 0 | 0 | 0 | 496 | 0 | 0 | 0 | 0 | 496 |
| 2027 | 529 | 1,165 | 0 | 0 | 0 | 0 | 482 | 0 | 0 | 0 | 0 | 482 |
| 2028 | 465 | 683 | 0 | 0 | 0 | 0 | 309 | 0 | 0 | 0 | 0 | 309 |
| 2029 | 392 | 374 | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 77 |
| 2030 | 316 | 297 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 74 |
| Sub. | 9,868 | 297 | 0 | 0 | 0 | 0 | 13,855 | 0 | 0 | 0 | 0 | 13,855 |
| Rem. | 548 | 297 | 0 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 | 223 |
| Tot. | 10,416 | 297 | 0 | 0 | 0 | 0 | 14,077 | 0 | 0 | 0 | 0 | 14,077 |
| Disc | 6,909 | | | | | | 10,655 | 0 | 0 | 0 | 0 | 10,655 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|---------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -1,739 | 22.0 | 0 | 0 | 0 | 0 | 1,478 | 1,478 | 1,409 | 1,478 | 1,478 | 1,409 |
| 2020 | -1,747 | 22.0 | 0 | 0 | 0 | 0 | 1,376 | 2,855 | 2,603 | 1,376 | 2,855 | 2,603 |
| 2021 | -503 | 22.0 | 0 | 0 | 0 | 0 | 1,204 | 4,058 | 3,551 | 1,204 | 4,058 | 3,551 |
| 2022 | -550 | 22.0 | 8 | 0 | 0 | 8 | 1,036 | 5,095 | 4,294 | 1,029 | 5,087 | 4,288 |
| 2023 | -623 | 22.0 | 8 | 0 | 0 | 8 | 916 | 6,011 | 4,890 | 907 | 5,995 | 4,879 |
| 2024 | 148 | 22.0 | 77 | 0 | 0 | 77 | 814 | 6,825 | 5,372 | 737 | 6,732 | 5,316 |
| 2025 | 136 | 22.0 | 64 | 0 | 0 | 64 | 714 | 7,539 | 5,756 | 650 | 7,382 | 5,665 |
| 2026 | 131 | 22.0 | 52 | 0 | 0 | 52 | 627 | 8,166 | 6,063 | 575 | 7,957 | 5,947 |
| 2027 | 47 | 22.0 | 36 | 0 | 0 | 36 | 529 | 8,695 | 6,298 | 493 | 8,449 | 6,166 |
| 2028 | 156 | 22.0 | 35 | 0 | 0 | 35 | 465 | 9,160 | 6,486 | 430 | 8,880 | 6,340 |
| 2029 | 316 | 22.0 | 40 | 0 | 0 | 40 | 392 | 9,552 | 6,631 | 352 | 9,232 | 6,469 |
| 2030 | 241 | 22.0 | 30 | 0 | 0 | 30 | 316 | 9,868 | 6,736 | 286 | 9,518 | 6,565 |
| Sub. | -3,986 | | 350 | 0 | 0 | 350 | 9,868 | 9,868 | 6,736 | 9,518 | 9,518 | 6,565 |
| Rem. | 325 | | 103 | 0 | 0 | 103 | 548 | 10,416 | 6,909 | 444 | 9,962 | 6,712 |
| Tot. | -3,661 | | 454 | 0 | 0 | 454 | 10,416 | 10,416 | 6,909 | 9,962 | 9,962 | 6,712 |
| Disc | -3,747 | | 196 | 0 | 0 | 196 | 6,909 | 6,909 | 6,909 | 6,712 | 6,712 | 6,712 |

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 |
| | | Light/Med Oil | Mbbl | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 |
| Total: Oil Eq. | Mboe | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 | 8.2 | 5.3 |

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 |
| Light/Med Oil | \$/bbl | 63.33 | -2.61 | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 |
| Total: Oil Eq. | \$/boe | 63.33 | -2.61 | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 10,615 | 10,416 | 0 | 10,416 | 26.68 | 9,962 | 0 | 9,962 | 25.51 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 8,417 | 8,338 | 0 | 8,338 | 21.35 | 8,047 | 0 | 8,047 | 20.61 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 7,467 | 7,421 | 0 | 7,421 | 19.00 | 7,192 | 0 | 7,192 | 18.42 |
| | | | 10 | 6,942 | 6,909 | 0 | 6,909 | 17.69 | 6,712 | 0 | 6,712 | 17.19 |
| | | | 12 | 6,486 | 6,461 | 0 | 6,461 | 16.55 | 6,292 | 0 | 6,292 | 16.11 |
| | | | 15 | 5,904 | 5,888 | 0 | 5,888 | 15.08 | 5,751 | 0 | 5,751 | 14.73 |
| | | | 20 | 5,143 | 5,135 | 0 | 5,135 | 13.15 | 5,036 | 0 | 5,036 | 12.90 |

Evaluator: Olenick, Patrick A.
Run Date: February 20, 2019 08:24:53

CONSTANT PRICING AFTER TAX ANALYSIS**TABLE OF CONTENTS**

| | Page |
|---------------------------------------|-------------|
| SUMMARY OF RESERVES AND VALUES | 113 |
| ECONOMIC FORECASTS | |
| Proved Producing | 114 |
| Total Proved | 117 |
| Total Probable | 120 |
| Total Proved Plus Probable | 123 |
| Total Possible | 126 |
| Total PPP | 129 |

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Various**
 Development Class: **Classifications**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Summary of Reserves and Values

| | Proved Producing | Proved Developed Non- Producing | Proved Undevelope d | Total Proved | Total Probable | Total Proved Plus Probable | Total Possible | Total PPP |
|---------------------------------------|---------------------|--|---------------------------|-----------------|-------------------|-------------------------------------|-------------------|--------------|
| MARKETABLE RESERVES | | | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 224 | 0 | 0 | 224 | 60 | 283 | 58 | 342 |
| Oil Equivalent (Mboe) | | | | | | | | |
| Total Company Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Working Interest | 255 | 0 | 0 | 255 | 69 | 324 | 66 | 390 |
| Net After Royalty | 224 | 0 | 0 | 224 | 60 | 283 | 58 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,799 | 0 | 0 | 6,799 | 1,755 | 8,554 | 1,614 | 10,169 |
| 5% | 5,977 | 0 | 0 | 5,977 | 1,278 | 7,255 | 1,083 | 8,339 |
| 8% | 5,569 | 0 | 0 | 5,569 | 1,074 | 6,643 | 874 | 7,517 |
| 10% | 5,326 | 0 | 0 | 5,326 | 963 | 6,289 | 764 | 7,054 |
| 12% | 5,104 | 0 | 0 | 5,104 | 868 | 5,972 | 673 | 6,645 |
| 15% | 4,805 | 0 | 0 | 4,805 | 749 | 5,554 | 564 | 6,118 |
| 20% | 4,381 | 0 | 0 | 4,381 | 599 | 4,980 | 434 | 5,414 |
| AFTER TAX PRESENT VALUE (M\$) | | | | | | | | |
| 0% | 6,754 | 0 | 0 | 6,754 | 1,427 | 8,180 | 1,575 | 9,755 |
| 5% | 5,936 | 0 | 0 | 5,936 | 1,037 | 6,973 | 1,065 | 8,038 |
| 8% | 5,530 | 0 | 0 | 5,530 | 870 | 6,400 | 862 | 7,262 |
| 10% | 5,289 | 0 | 0 | 5,289 | 779 | 6,068 | 756 | 6,823 |
| 12% | 5,068 | 0 | 0 | 5,068 | 701 | 5,769 | 667 | 6,436 |
| 15% | 4,770 | 0 | 0 | 4,770 | 605 | 5,374 | 560 | 5,934 |
| 20% | 4,348 | 0 | 0 | 4,348 | 483 | 4,831 | 432 | 5,263 |

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: February 22, 2019 08:13:21

1192041

Class (A,B1,B2,C,F,I,O,R), SEC 2018-Dec-31 Posted (12 Month Avg.), psum

February 22, 2019 09:14:36

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Proved**
 Development Class: **Producing**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 68.68 |
| 2020 | 3 | 105 | 38 | 34 | 68.68 |
| 2021 | 3 | 88 | 32 | 28 | 68.68 |
| 2022 | 3 | 75 | 27 | 24 | 68.68 |
| 2023 | 2 | 64 | 23 | 20 | 68.68 |
| 2024 | 2 | 56 | 20 | 18 | 68.68 |
| 2025 | 2 | 48 | 18 | 15 | 68.68 |
| 2026 | 2 | 42 | 15 | 13 | 68.68 |
| 2027 | 2 | 37 | 13 | 12 | 68.68 |
| 2028 | 2 | 33 | 12 | 11 | 68.68 |
| 2029 | 2 | 25 | 9 | 8 | 68.68 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| Sub. | | | 255 | 224 | 68.68 |
| Rem. | | | 0 | 0 | 0.00 |
| Tot. | | | 255 | 224 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 3,180 | 0 | 0 | 3,180 | 0 | 3,180 | 397 | 0 | 0 | 0 | 397 | 2,782 | 584 | 449 | 1,033 |
| 2020 | 2,641 | 0 | 0 | 2,641 | 0 | 2,641 | 330 | 0 | 0 | 0 | 330 | 2,311 | 584 | 373 | 957 |
| 2021 | 2,207 | 0 | 0 | 2,207 | 0 | 2,207 | 276 | 0 | 0 | 0 | 276 | 1,931 | 572 | 312 | 884 |
| 2022 | 1,872 | 0 | 0 | 1,872 | 0 | 1,872 | 234 | 0 | 0 | 0 | 234 | 1,638 | 562 | 264 | 826 |
| 2023 | 1,594 | 0 | 0 | 1,594 | 0 | 1,594 | 199 | 0 | 0 | 0 | 199 | 1,394 | 548 | 225 | 773 |
| 2024 | 1,403 | 0 | 0 | 1,403 | 0 | 1,403 | 175 | 0 | 0 | 0 | 175 | 1,227 | 549 | 198 | 747 |
| 2025 | 1,210 | 0 | 0 | 1,210 | 0 | 1,210 | 151 | 0 | 0 | 0 | 151 | 1,059 | 538 | 171 | 709 |
| 2026 | 1,058 | 0 | 0 | 1,058 | 0 | 1,058 | 132 | 0 | 0 | 0 | 132 | 926 | 530 | 149 | 679 |
| 2027 | 923 | 0 | 0 | 923 | 0 | 923 | 115 | 0 | 0 | 0 | 115 | 808 | 510 | 130 | 641 |
| 2028 | 826 | 0 | 0 | 826 | 0 | 826 | 103 | 0 | 0 | 0 | 103 | 723 | 508 | 117 | 625 |
| 2029 | 630 | 0 | 0 | 630 | 0 | 630 | 79 | 0 | 0 | 0 | 79 | 552 | 453 | 89 | 542 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 17,544 | 0 | 0 | 17,544 | 0 | 17,544 | 2,193 | 0 | 0 | 0 | 2,193 | 15,351 | 5,936 | 2,478 | 8,414 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 17,544 | 0 | 0 | 17,544 | 0 | 17,544 | 2,193 | 0 | 0 | 0 | 2,193 | 15,351 | 5,936 | 2,478 | 8,414 |
| Disc | 12,415 | 0 | 0 | 12,415 | 0 | 12,415 | 1,552 | 0 | 0 | 0 | 1,552 | 10,863 | 3,745 | 1,753 | 5,498 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ |
| 2019 | 0 | 0 | 0 | 1,750 | 0 | 0 | 1,750 | 0 | 0 | 0 | 0 | 1,750 | 1,750 | 1,668 |
| 2020 | 0 | 0 | 0 | 1,354 | 0 | 0 | 1,354 | 0 | 0 | 0 | 0 | 1,354 | 3,103 | 2,841 |
| 2021 | 0 | 0 | 0 | 1,047 | 0 | 0 | 1,047 | 0 | 0 | 0 | 0 | 1,047 | 4,150 | 3,666 |
| 2022 | 0 | 0 | 0 | 812 | 0 | 0 | 812 | 0 | 0 | 0 | 0 | 812 | 4,962 | 4,248 |
| 2023 | 0 | 0 | 0 | 622 | 0 | 0 | 622 | 0 | 0 | 0 | 0 | 622 | 5,584 | 4,653 |
| 2024 | 0 | 0 | 0 | 481 | 0 | 0 | 481 | 0 | 0 | 0 | 0 | 481 | 6,065 | 4,938 |
| 2025 | 0 | 0 | 0 | 350 | 0 | 0 | 350 | 0 | 0 | 0 | 0 | 350 | 6,415 | 5,126 |
| 2026 | 0 | 0 | 0 | 247 | 0 | 10 | 237 | 0 | 0 | 0 | 0 | 237 | 6,652 | 5,242 |
| 2027 | 0 | 0 | 0 | 167 | 0 | 10 | 157 | 0 | 0 | 0 | 0 | 157 | 6,809 | 5,312 |
| 2028 | 0 | 0 | 0 | 98 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 98 | 6,907 | 5,352 |
| 2029 | 0 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 6,917 | 5,355 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 10 | -10 | 0 | 0 | 0 | 0 | -10 | 6,907 | 5,352 |
| Sub. | 0 | 0 | 0 | 6,937 | 0 | 29 | 6,907 | 0 | 0 | 0 | 0 | 6,907 | 6,907 | 5,352 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 108 | -108 | 0 | 0 | 0 | 0 | -108 | 6,799 | 5,326 |
| Tot. | 0 | 0 | 0 | 6,937 | 0 | 137 | 6,799 | 0 | 0 | 0 | 0 | 6,799 | 6,799 | 5,326 |
| Disc | 0 | 0 | 0 | 5,364 | 0 | 38 | 5,326 | 0 | 0 | 0 | 0 | 5,326 | 5,326 | 5,326 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,750 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,354 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,047 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 812 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 622 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 481 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 350 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 237 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 157 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 98 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 10 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | -10 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 6,907 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -108 | 149 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 83 |
| Tot. | 6,799 | 149 | 0 | 0 | 0 | 0 | 7,010 | 0 | 0 | 0 | 0 | 7,010 |
| Disc | 5,326 | | | | | | 5,322 | 0 | 0 | 0 | 0 | 5,322 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 141 | 22.0 | 31 | 0 | 0 | 31 | 1,750 | 1,750 | 1,668 | 1,719 | 1,719 | 1,639 |
| 2020 | -208 | 22.0 | 0 | 0 | 0 | 0 | 1,354 | 3,103 | 2,841 | 1,354 | 3,072 | 2,812 |
| 2021 | 194 | 22.0 | 0 | 0 | 0 | 0 | 1,047 | 4,150 | 3,666 | 1,047 | 4,119 | 3,637 |
| 2022 | 19 | 22.0 | 1 | 0 | 0 | 1 | 812 | 4,962 | 4,248 | 811 | 4,930 | 4,218 |
| 2023 | -148 | 22.0 | 0 | 0 | 0 | 0 | 622 | 5,584 | 4,653 | 622 | 5,552 | 4,623 |
| 2024 | 147 | 22.0 | 0 | 0 | 0 | 0 | 481 | 6,065 | 4,938 | 481 | 6,033 | 4,907 |
| 2025 | 61 | 22.0 | 13 | 0 | 0 | 13 | 350 | 6,415 | 5,126 | 337 | 6,369 | 5,089 |
| 2026 | -11 | 22.0 | 0 | 0 | 0 | 0 | 237 | 6,652 | 5,242 | 237 | 6,606 | 5,204 |
| 2027 | -84 | 22.0 | 0 | 0 | 0 | 0 | 157 | 6,809 | 5,312 | 157 | 6,763 | 5,274 |
| 2028 | -57 | 22.0 | 0 | 0 | 0 | 0 | 98 | 6,907 | 5,352 | 98 | 6,861 | 5,314 |
| 2029 | -28 | 22.0 | 0 | 0 | 0 | 0 | 10 | 6,917 | 5,355 | 10 | 6,871 | 5,318 |
| 2030 | -47 | 22.0 | 0 | 0 | 0 | 0 | -10 | 6,907 | 5,352 | -10 | 6,862 | 5,314 |
| Sub. | -20 | | 45 | 0 | 0 | 45 | 6,907 | 6,907 | 5,352 | 6,862 | 6,862 | 5,314 |
| Rem. | -190 | | 0 | 0 | 0 | 0 | -108 | 6,799 | 5,326 | -108 | 6,754 | 5,289 |
| Tot. | -211 | | 45 | 0 | 0 | 45 | 6,799 | 6,799 | 5,326 | 6,754 | 6,754 | 5,289 |
| Disc | 4 | | 38 | 0 | 0 | 38 | 5,326 | 5,326 | 5,326 | 5,289 | 5,289 | 5,289 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 22.30 | 0.00 | 37.79 | 15,351 | 100 | 10,863 | 100 |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 22.30 | 0.00 | 37.79 | 15,351 | 100 | 10,863 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 6,937 | 6,799 | 0 | 6,799 | 26.62 | 6,754 | 0 | 6,754 | 26.44 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 6,048 | 5,977 | 0 | 5,977 | 23.40 | 5,936 | 0 | 5,936 | 23.24 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,617 | 5,569 | 0 | 5,569 | 21.80 | 5,530 | 0 | 5,530 | 21.65 |
| | | | 10 | 5,364 | 5,326 | 0 | 5,326 | 20.85 | 5,289 | 0 | 5,289 | 20.70 |
| | | | 12 | 5,134 | 5,104 | 0 | 5,104 | 19.98 | 5,068 | 0 | 5,068 | 19.84 |
| | | | 15 | 4,826 | 4,805 | 0 | 4,805 | 18.81 | 4,770 | 0 | 4,770 | 18.67 |
| | | | 20 | 4,394 | 4,381 | 0 | 4,381 | 17.15 | 4,348 | 0 | 4,348 | 17.02 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:18

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Proved**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 127 | 46 | 41 | 68.68 |
| 2020 | 3 | 105 | 38 | 34 | 68.68 |
| 2021 | 3 | 88 | 32 | 28 | 68.68 |
| 2022 | 3 | 75 | 27 | 24 | 68.68 |
| 2023 | 2 | 64 | 23 | 20 | 68.68 |
| 2024 | 2 | 56 | 20 | 18 | 68.68 |
| 2025 | 2 | 48 | 18 | 15 | 68.68 |
| 2026 | 2 | 42 | 15 | 13 | 68.68 |
| 2027 | 2 | 37 | 13 | 12 | 68.68 |
| 2028 | 2 | 33 | 12 | 11 | 68.68 |
| 2029 | 2 | 25 | 9 | 8 | 68.68 |
| 2030 | 0 | 0 | 0 | 0 | 0.00 |
| Sub. | | | 255 | 224 | 68.68 |
| Rem. | | | 0 | 0 | 0.00 |
| Tot. | | | 255 | 224 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 3,180 | 0 | 0 | 3,180 | 0 | 3,180 | 397 | 0 | 0 | 0 | 397 | 2,782 | 584 | 449 | 1,033 |
| 2020 | 2,641 | 0 | 0 | 2,641 | 0 | 2,641 | 330 | 0 | 0 | 0 | 330 | 2,311 | 584 | 373 | 957 |
| 2021 | 2,207 | 0 | 0 | 2,207 | 0 | 2,207 | 276 | 0 | 0 | 0 | 276 | 1,931 | 572 | 312 | 884 |
| 2022 | 1,872 | 0 | 0 | 1,872 | 0 | 1,872 | 234 | 0 | 0 | 0 | 234 | 1,638 | 562 | 264 | 826 |
| 2023 | 1,594 | 0 | 0 | 1,594 | 0 | 1,594 | 199 | 0 | 0 | 0 | 199 | 1,394 | 548 | 225 | 773 |
| 2024 | 1,403 | 0 | 0 | 1,403 | 0 | 1,403 | 175 | 0 | 0 | 0 | 175 | 1,227 | 549 | 198 | 747 |
| 2025 | 1,210 | 0 | 0 | 1,210 | 0 | 1,210 | 151 | 0 | 0 | 0 | 151 | 1,059 | 538 | 171 | 709 |
| 2026 | 1,058 | 0 | 0 | 1,058 | 0 | 1,058 | 132 | 0 | 0 | 0 | 132 | 926 | 530 | 149 | 679 |
| 2027 | 923 | 0 | 0 | 923 | 0 | 923 | 115 | 0 | 0 | 0 | 115 | 808 | 510 | 130 | 641 |
| 2028 | 826 | 0 | 0 | 826 | 0 | 826 | 103 | 0 | 0 | 0 | 103 | 723 | 508 | 117 | 625 |
| 2029 | 630 | 0 | 0 | 630 | 0 | 630 | 79 | 0 | 0 | 0 | 79 | 552 | 453 | 89 | 542 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 17,544 | 0 | 0 | 17,544 | 0 | 17,544 | 2,193 | 0 | 0 | 0 | 2,193 | 15,351 | 5,936 | 2,478 | 8,414 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 17,544 | 0 | 0 | 17,544 | 0 | 17,544 | 2,193 | 0 | 0 | 0 | 2,193 | 15,351 | 5,936 | 2,478 | 8,414 |
| Disc | 12,415 | 0 | 0 | 12,415 | 0 | 12,415 | 1,552 | 0 | 0 | 0 | 1,552 | 10,863 | 3,745 | 1,753 | 5,498 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ |
| 2019 | 0 | 0 | 0 | 1,750 | 0 | 0 | 1,750 | 0 | 0 | 0 | 0 | 1,750 | 1,750 | 1,668 |
| 2020 | 0 | 0 | 0 | 1,354 | 0 | 0 | 1,354 | 0 | 0 | 0 | 0 | 1,354 | 3,103 | 2,841 |
| 2021 | 0 | 0 | 0 | 1,047 | 0 | 0 | 1,047 | 0 | 0 | 0 | 0 | 1,047 | 4,150 | 3,666 |
| 2022 | 0 | 0 | 0 | 812 | 0 | 0 | 812 | 0 | 0 | 0 | 0 | 812 | 4,962 | 4,248 |
| 2023 | 0 | 0 | 0 | 622 | 0 | 0 | 622 | 0 | 0 | 0 | 0 | 622 | 5,584 | 4,653 |
| 2024 | 0 | 0 | 0 | 481 | 0 | 0 | 481 | 0 | 0 | 0 | 0 | 481 | 6,065 | 4,938 |
| 2025 | 0 | 0 | 0 | 350 | 0 | 0 | 350 | 0 | 0 | 0 | 0 | 350 | 6,415 | 5,126 |
| 2026 | 0 | 0 | 0 | 247 | 0 | 10 | 237 | 0 | 0 | 0 | 0 | 237 | 6,652 | 5,242 |
| 2027 | 0 | 0 | 0 | 167 | 0 | 10 | 157 | 0 | 0 | 0 | 0 | 157 | 6,809 | 5,312 |
| 2028 | 0 | 0 | 0 | 98 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 98 | 6,907 | 5,352 |
| 2029 | 0 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 6,917 | 5,355 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 10 | -10 | 0 | 0 | 0 | 0 | -10 | 6,907 | 5,352 |
| Sub. | 0 | 0 | 0 | 6,937 | 0 | 29 | 6,907 | 0 | 0 | 0 | 0 | 6,907 | 6,907 | 5,352 |
| Rem. | 0 | 0 | 0 | 0 | 0 | 108 | -108 | 0 | 0 | 0 | 0 | -108 | 6,799 | 5,326 |
| Tot. | 0 | 0 | 0 | 6,937 | 0 | 137 | 6,799 | 0 | 0 | 0 | 0 | 6,799 | 6,799 | 5,326 |
| Disc | 0 | 0 | 0 | 5,364 | 0 | 38 | 5,326 | 0 | 0 | 0 | 0 | 5,326 | 5,326 | 5,326 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,750 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,354 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,047 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 812 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 622 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 481 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 350 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 237 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 157 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 98 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 10 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | -10 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 6,907 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -108 | 149 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 83 |
| Tot. | 6,799 | 149 | 0 | 0 | 0 | 0 | 7,010 | 0 | 0 | 0 | 0 | 7,010 |
| Disc | 5,326 | | | | | | 5,322 | 0 | 0 | 0 | 0 | 5,322 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 141 | 22.0 | 31 | 0 | 0 | 31 | 1,750 | 1,750 | 1,668 | 1,719 | 1,719 | 1,639 |
| 2020 | -208 | 22.0 | 0 | 0 | 0 | 0 | 1,354 | 3,103 | 2,841 | 1,354 | 3,072 | 2,812 |
| 2021 | 194 | 22.0 | 0 | 0 | 0 | 0 | 1,047 | 4,150 | 3,666 | 1,047 | 4,119 | 3,637 |
| 2022 | 19 | 22.0 | 1 | 0 | 0 | 1 | 812 | 4,962 | 4,248 | 811 | 4,930 | 4,218 |
| 2023 | -148 | 22.0 | 0 | 0 | 0 | 0 | 622 | 5,584 | 4,653 | 622 | 5,552 | 4,623 |
| 2024 | 147 | 22.0 | 0 | 0 | 0 | 0 | 481 | 6,065 | 4,938 | 481 | 6,033 | 4,907 |
| 2025 | 61 | 22.0 | 13 | 0 | 0 | 13 | 350 | 6,415 | 5,126 | 337 | 6,369 | 5,089 |
| 2026 | -11 | 22.0 | 0 | 0 | 0 | 0 | 237 | 6,652 | 5,242 | 237 | 6,606 | 5,204 |
| 2027 | -84 | 22.0 | 0 | 0 | 0 | 0 | 157 | 6,809 | 5,312 | 157 | 6,763 | 5,274 |
| 2028 | -57 | 22.0 | 0 | 0 | 0 | 0 | 98 | 6,907 | 5,352 | 98 | 6,861 | 5,314 |
| 2029 | -28 | 22.0 | 0 | 0 | 0 | 0 | 10 | 6,917 | 5,355 | 10 | 6,871 | 5,318 |
| 2030 | -47 | 22.0 | 0 | 0 | 0 | 0 | -10 | 6,907 | 5,352 | -10 | 6,862 | 5,314 |
| Sub. | -20 | | 45 | 0 | 0 | 45 | 6,907 | 6,907 | 5,352 | 6,862 | 6,862 | 5,314 |
| Rem. | -190 | | 0 | 0 | 0 | 0 | -108 | 6,799 | 5,326 | -108 | 6,754 | 5,289 |
| Tot. | -211 | | 45 | 0 | 0 | 45 | 6,799 | 6,799 | 5,326 | 6,754 | 6,754 | 5,289 |
| Disc | 4 | | 38 | 0 | 0 | 38 | 5,326 | 5,326 | 5,326 | 5,289 | 5,289 | 5,289 |

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 |
| Light/Med Oil | Mbbl | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 255 | 0 | 255 | 224 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

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 |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 22.30 | 0.00 | 37.79 | 15,351 | 100 | 10,863 | 100 |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 22.30 | 0.00 | 37.79 | 15,351 | 100 | 10,863 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 6,937 | 6,799 | 0 | 6,799 | 26.62 | 6,754 | 0 | 6,754 | 26.44 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 6,048 | 5,977 | 0 | 5,977 | 23.40 | 5,936 | 0 | 5,936 | 23.24 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 5,617 | 5,569 | 0 | 5,569 | 21.80 | 5,530 | 0 | 5,530 | 21.65 |
| | | | 10 | 5,364 | 5,326 | 0 | 5,326 | 20.85 | 5,289 | 0 | 5,289 | 20.70 |
| | | | 12 | 5,134 | 5,104 | 0 | 5,104 | 19.98 | 5,068 | 0 | 5,068 | 19.84 |
| | | | 15 | 4,826 | 4,805 | 0 | 4,805 | 18.81 | 4,770 | 0 | 4,770 | 18.67 |
| | | | 20 | 4,394 | 4,381 | 0 | 4,381 | 17.15 | 4,348 | 0 | 4,348 | 17.02 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:20

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Probable**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 2 | 1 | 1 | 68.68 |
| 2020 | 0 | 5 | 2 | 2 | 68.68 |
| 2021 | 0 | 8 | 3 | 2 | 68.68 |
| 2022 | 0 | 8 | 3 | 3 | 68.68 |
| 2023 | 0 | 10 | 4 | 3 | 68.68 |
| 2024 | 0 | 9 | 3 | 3 | 68.68 |
| 2025 | 0 | 10 | 4 | 3 | 68.68 |
| 2026 | 0 | 10 | 4 | 3 | 68.68 |
| 2027 | 0 | 11 | 4 | 4 | 68.68 |
| 2028 | 0 | 10 | 4 | 3 | 68.68 |
| 2029 | 0 | 13 | 5 | 4 | 68.68 |
| 2030 | 2 | 35 | 13 | 11 | 68.68 |
| Sub. | | | 48 | 42 | 68.68 |
| Rem. | | | 21 | 18 | 68.68 |
| Tot. | | | 69 | 60 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|--------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 52 | 0 | 0 | 52 | 0 | 52 | 6 | 0 | 0 | 0 | 6 | 45 | 0 | 7 | 8 |
| 2020 | 127 | 0 | 0 | 127 | 0 | 127 | 16 | 0 | 0 | 0 | 16 | 112 | 1 | 18 | 19 |
| 2021 | 189 | 0 | 0 | 189 | 0 | 189 | 24 | 0 | 0 | 0 | 24 | 165 | 14 | 27 | 41 |
| 2022 | 208 | 0 | 0 | 208 | 0 | 208 | 26 | 0 | 0 | 0 | 26 | 182 | 6 | 29 | 36 |
| 2023 | 254 | 0 | 0 | 254 | 0 | 254 | 32 | 0 | 0 | 0 | 32 | 222 | 22 | 36 | 57 |
| 2024 | 221 | 0 | 0 | 221 | 0 | 221 | 28 | 0 | 0 | 0 | 28 | 193 | 7 | 31 | 38 |
| 2025 | 241 | 0 | 0 | 241 | 0 | 241 | 30 | 0 | 0 | 0 | 30 | 211 | 13 | 34 | 47 |
| 2026 | 261 | 0 | 0 | 261 | 0 | 261 | 33 | 0 | 0 | 0 | 33 | 229 | 22 | 37 | 59 |
| 2027 | 282 | 0 | 0 | 282 | 0 | 282 | 35 | 0 | 0 | 0 | 35 | 247 | 43 | 40 | 83 |
| 2028 | 251 | 0 | 0 | 251 | 0 | 251 | 31 | 0 | 0 | 0 | 31 | 220 | 32 | 35 | 67 |
| 2029 | 317 | 0 | 0 | 317 | 0 | 317 | 40 | 0 | 0 | 0 | 40 | 277 | 60 | 45 | 105 |
| 2030 | 875 | 0 | 0 | 875 | 0 | 875 | 109 | 0 | 0 | 0 | 109 | 765 | 514 | 124 | 637 |
| Sub. | 3,277 | 0 | 0 | 3,277 | 0 | 3,277 | 410 | 0 | 0 | 0 | 410 | 2,868 | 735 | 463 | 1,197 |
| Rem. | 1,429 | 0 | 0 | 1,429 | 0 | 1,429 | 179 | 0 | 0 | 0 | 179 | 1,250 | 964 | 202 | 1,166 |
| Tot. | 4,706 | 0 | 0 | 4,706 | 0 | 4,706 | 588 | 0 | 0 | 0 | 588 | 4,118 | 1,698 | 665 | 2,363 |
| Disc | 2,063 | 0 | 0 | 2,063 | 0 | 2,063 | 258 | 0 | 0 | 0 | 258 | 1,806 | 559 | 291 | 850 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | |
| 2019 | 0 | 0 | 0 | 38 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 38 | 38 | 36 |
| 2020 | 0 | 0 | 0 | 93 | 0 | 0 | 93 | 0 | 0 | 0 | 0 | 0 | 93 | 130 | 116 |
| 2021 | 0 | 0 | 0 | 124 | 0 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | 124 | 255 | 214 |
| 2022 | 0 | 0 | 0 | 146 | 0 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | 146 | 401 | 319 |
| 2023 | 0 | 0 | 0 | 164 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 0 | 164 | 565 | 426 |
| 2024 | 0 | 0 | 0 | 156 | 0 | 0 | 156 | 0 | 0 | 0 | 0 | 0 | 156 | 721 | 518 |
| 2025 | 0 | 0 | 0 | 164 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 0 | 164 | 885 | 606 |
| 2026 | 0 | 0 | 0 | 169 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 0 | 169 | 1,054 | 689 |
| 2027 | 0 | 0 | 0 | 164 | 0 | -10 | 174 | 0 | 0 | 0 | 0 | 0 | 174 | 1,228 | 766 |
| 2028 | 0 | 0 | 0 | 152 | 0 | 0 | 152 | 0 | 0 | 0 | 0 | 0 | 152 | 1,380 | 828 |
| 2029 | 0 | 0 | 0 | 172 | 0 | 10 | 162 | 0 | 0 | 0 | 0 | 0 | 162 | 1,542 | 888 |
| 2030 | 0 | 0 | 0 | 128 | 0 | -10 | 138 | 0 | 0 | 0 | 0 | 0 | 138 | 1,680 | 934 |
| Sub. | 0 | 0 | 0 | 1,670 | 0 | -10 | 1,680 | 0 | 0 | 0 | 0 | 0 | 1,680 | 1,680 | 934 |
| Rem. | 0 | 0 | 0 | 85 | 0 | 10 | 75 | 0 | 0 | 0 | 0 | 0 | 75 | 1,755 | 963 |
| Tot. | 0 | 0 | 0 | 1,755 | 0 | 0 | 1,755 | 0 | 0 | 0 | 0 | 0 | 1,755 | 1,755 | 963 |
| Disc | 0 | 0 | 0 | 955 | 0 | -8 | 963 | 0 | 0 | 0 | 0 | 0 | 963 | 963 | 963 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|-----------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020 | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2023 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2024 | 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2025 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2026 | 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2027 | 174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2028 | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2029 | 162 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2030 | 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub. | 1,680 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rem. | 75 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 29 |
| Tot. | 1,755 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 29 |
| Disc | 963 | | | | | | 6 | 0 | 0 | 0 | 0 | 6 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 38 | 22.0 | 8 | 0 | 0 | 8 | 38 | 38 | 36 | 29 | 29 | 28 |
| 2020 | 93 | 22.0 | 0 | 0 | 0 | 0 | 93 | 130 | 116 | 93 | 122 | 108 |
| 2021 | 124 | 22.0 | 45 | 0 | 0 | 45 | 124 | 255 | 214 | 80 | 202 | 171 |
| 2022 | 146 | 22.0 | 35 | 0 | 0 | 35 | 146 | 401 | 319 | 111 | 313 | 251 |
| 2023 | 164 | 22.0 | 4 | 0 | 0 | 4 | 164 | 565 | 426 | 161 | 473 | 355 |
| 2024 | 156 | 22.0 | 67 | 0 | 0 | 67 | 156 | 721 | 518 | 89 | 562 | 408 |
| 2025 | 164 | 22.0 | 36 | 0 | 0 | 36 | 164 | 885 | 606 | 128 | 690 | 477 |
| 2026 | 169 | 22.0 | 35 | 0 | 0 | 35 | 169 | 1,054 | 689 | 135 | 825 | 542 |
| 2027 | 174 | 22.0 | 20 | 0 | 0 | 20 | 174 | 1,228 | 766 | 154 | 979 | 611 |
| 2028 | 152 | 22.0 | 21 | 0 | 0 | 21 | 152 | 1,380 | 828 | 131 | 1,110 | 664 |
| 2029 | 162 | 22.0 | 29 | 0 | 0 | 29 | 162 | 1,542 | 888 | 133 | 1,243 | 713 |
| 2030 | 138 | 22.0 | 20 | 0 | 0 | 20 | 138 | 1,680 | 934 | 118 | 1,360 | 752 |
| Sub. | 1,680 | | 320 | 0 | 0 | 320 | 1,680 | 1,680 | 934 | 1,360 | 1,360 | 752 |
| Rem. | 46 | | 9 | 0 | 0 | 9 | 75 | 1,755 | 963 | 66 | 1,427 | 779 |
| Tot. | 1,726 | | 328 | 0 | 0 | 328 | 1,755 | 1,755 | 963 | 1,427 | 1,427 | 779 |
| Disc | 957 | | 184 | 0 | 0 | 184 | 963 | 963 | 963 | 779 | 779 | 779 |

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 |
| | | Light/Med Oil | Mbbl | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 |
| Total: Oil Eq. | Mboe | 69 | 0 | 69 | 60 | 1.000 | 69 | 100 | 14.0 | 90.9 | 10.8 |

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 | |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 10.12 | 0.00 | 49.97 | 4,118 | 100 | 1,806 | 100 | |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 10.12 | 0.00 | 49.97 | 4,118 | 100 | 1,806 | 100 | |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 1,755 | 1,755 | 0 | 1,755 | 25.61 | 1,427 | 0 | 1,427 | 20.82 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,270 | 1,278 | 0 | 1,278 | 18.65 | 1,037 | 0 | 1,037 | 15.13 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 1,066 | 1,074 | 0 | 1,074 | 15.68 | 870 | 0 | 870 | 12.69 |
| | | | 10 | 955 | 963 | 0 | 963 | 14.05 | 779 | 0 | 779 | 11.37 |
| | | | 12 | 861 | 868 | 0 | 868 | 12.66 | 701 | 0 | 701 | 10.23 |
| | | | 15 | 743 | 749 | 0 | 749 | 10.93 | 605 | 0 | 605 | 8.82 |
| | | | 20 | 595 | 599 | 0 | 599 | 8.74 | 483 | 0 | 483 | 7.05 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:20

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Proved Plus Probable**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 129 | 47 | 41 | 68.68 |
| 2020 | 3 | 110 | 40 | 35 | 68.68 |
| 2021 | 3 | 96 | 35 | 31 | 68.68 |
| 2022 | 3 | 83 | 30 | 27 | 68.68 |
| 2023 | 3 | 74 | 27 | 24 | 68.68 |
| 2024 | 3 | 65 | 24 | 21 | 68.68 |
| 2025 | 2 | 58 | 21 | 18 | 68.68 |
| 2026 | 2 | 53 | 19 | 17 | 68.68 |
| 2027 | 2 | 48 | 18 | 15 | 68.68 |
| 2028 | 2 | 43 | 16 | 14 | 68.68 |
| 2029 | 2 | 38 | 14 | 12 | 68.68 |
| 2030 | 2 | 35 | 13 | 11 | 68.68 |
| Sub. | | | 303 | 265 | 68.68 |
| Rem. | | | 21 | 18 | 68.68 |
| Tot. | | | 324 | 283 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|---------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 3,231 | 0 | 0 | 3,231 | 0 | 3,231 | 404 | 0 | 0 | 0 | 404 | 2,828 | 584 | 456 | 1,040 |
| 2020 | 2,768 | 0 | 0 | 2,768 | 0 | 2,768 | 346 | 0 | 0 | 0 | 346 | 2,422 | 585 | 391 | 976 |
| 2021 | 2,395 | 0 | 0 | 2,395 | 0 | 2,395 | 299 | 0 | 0 | 0 | 299 | 2,096 | 586 | 338 | 925 |
| 2022 | 2,080 | 0 | 0 | 2,080 | 0 | 2,080 | 260 | 0 | 0 | 0 | 260 | 1,820 | 568 | 294 | 862 |
| 2023 | 1,847 | 0 | 0 | 1,847 | 0 | 1,847 | 231 | 0 | 0 | 0 | 231 | 1,616 | 569 | 261 | 830 |
| 2024 | 1,624 | 0 | 0 | 1,624 | 0 | 1,624 | 203 | 0 | 0 | 0 | 203 | 1,421 | 555 | 229 | 785 |
| 2025 | 1,451 | 0 | 0 | 1,451 | 0 | 1,451 | 181 | 0 | 0 | 0 | 181 | 1,270 | 551 | 205 | 756 |
| 2026 | 1,319 | 0 | 0 | 1,319 | 0 | 1,319 | 165 | 0 | 0 | 0 | 165 | 1,154 | 552 | 186 | 738 |
| 2027 | 1,205 | 0 | 0 | 1,205 | 0 | 1,205 | 151 | 0 | 0 | 0 | 151 | 1,054 | 553 | 170 | 723 |
| 2028 | 1,077 | 0 | 0 | 1,077 | 0 | 1,077 | 135 | 0 | 0 | 0 | 135 | 943 | 540 | 152 | 692 |
| 2029 | 947 | 0 | 0 | 947 | 0 | 947 | 118 | 0 | 0 | 0 | 118 | 829 | 513 | 134 | 647 |
| 2030 | 875 | 0 | 0 | 875 | 0 | 875 | 109 | 0 | 0 | 0 | 109 | 765 | 514 | 124 | 637 |
| Sub. | 20,821 | 0 | 0 | 20,821 | 0 | 20,821 | 2,603 | 0 | 0 | 0 | 2,603 | 18,219 | 6,671 | 2,941 | 9,612 |
| Rem. | 1,429 | 0 | 0 | 1,429 | 0 | 1,429 | 179 | 0 | 0 | 0 | 179 | 1,250 | 964 | 202 | 1,166 |
| Tot. | 22,250 | 0 | 0 | 22,250 | 0 | 22,250 | 2,781 | 0 | 0 | 0 | 2,781 | 19,469 | 7,635 | 3,143 | 10,777 |
| Disc | 14,478 | 0 | 0 | 14,478 | 0 | 14,478 | 1,810 | 0 | 0 | 0 | 1,810 | 12,668 | 4,304 | 2,045 | 6,349 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ |
| 2019 | 0 | 0 | 0 | 1,787 | 0 | 0 | 1,787 | 0 | 0 | 0 | 0 | 1,787 | 1,787 | 1,704 |
| 2020 | 0 | 0 | 0 | 1,446 | 0 | 0 | 1,446 | 0 | 0 | 0 | 0 | 1,446 | 3,234 | 2,958 |
| 2021 | 0 | 0 | 0 | 1,171 | 0 | 0 | 1,171 | 0 | 0 | 0 | 0 | 1,171 | 4,405 | 3,881 |
| 2022 | 0 | 0 | 0 | 958 | 0 | 0 | 958 | 0 | 0 | 0 | 0 | 958 | 5,363 | 4,567 |
| 2023 | 0 | 0 | 0 | 786 | 0 | 0 | 786 | 0 | 0 | 0 | 0 | 786 | 6,149 | 5,079 |
| 2024 | 0 | 0 | 0 | 636 | 0 | 0 | 636 | 0 | 0 | 0 | 0 | 636 | 6,786 | 5,456 |
| 2025 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 514 | 7,300 | 5,732 |
| 2026 | 0 | 0 | 0 | 416 | 0 | 10 | 406 | 0 | 0 | 0 | 0 | 406 | 7,706 | 5,931 |
| 2027 | 0 | 0 | 0 | 331 | 0 | 0 | 331 | 0 | 0 | 0 | 0 | 331 | 8,037 | 6,078 |
| 2028 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 0 | 0 | 0 | 0 | 250 | 8,287 | 6,180 |
| 2029 | 0 | 0 | 0 | 182 | 0 | 10 | 172 | 0 | 0 | 0 | 0 | 172 | 8,459 | 6,243 |
| 2030 | 0 | 0 | 0 | 128 | 0 | 0 | 128 | 0 | 0 | 0 | 0 | 128 | 8,587 | 6,286 |
| Sub. | 0 | 0 | 0 | 8,607 | 0 | 20 | 8,587 | 0 | 0 | 0 | 0 | 8,587 | 8,587 | 6,286 |
| Rem. | 0 | 0 | 0 | 85 | 0 | 118 | -33 | 0 | 0 | 0 | 0 | -33 | 8,554 | 6,289 |
| Tot. | 0 | 0 | 0 | 8,692 | 0 | 137 | 8,554 | 0 | 0 | 0 | 0 | 8,554 | 8,554 | 6,289 |
| Disc | 0 | 0 | 0 | 6,320 | 0 | 30 | 6,289 | 0 | 0 | 0 | 0 | 6,289 | 6,289 | 6,289 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,787 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 1,446 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 1,171 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 958 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 786 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 636 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 514 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 406 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 331 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 250 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 172 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | 128 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 8,587 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | -33 | 149 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 111 |
| Tot. | 8,554 | 149 | 0 | 0 | 0 | 0 | 7,039 | 0 | 0 | 0 | 0 | 7,039 |
| Disc | 6,289 | | | | | | 5,328 | 0 | 0 | 0 | 0 | 5,328 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | 179 | 22.0 | 39 | 0 | 0 | 39 | 1,787 | 1,787 | 1,704 | 1,748 | 1,748 | 1,667 |
| 2020 | -115 | 22.0 | 0 | 0 | 0 | 0 | 1,446 | 3,234 | 2,958 | 1,446 | 3,194 | 2,920 |
| 2021 | 318 | 22.0 | 45 | 0 | 0 | 45 | 1,171 | 4,405 | 3,881 | 1,127 | 4,321 | 3,808 |
| 2022 | 165 | 22.0 | 36 | 0 | 0 | 36 | 958 | 5,363 | 4,567 | 922 | 5,243 | 4,469 |
| 2023 | 17 | 22.0 | 4 | 0 | 0 | 4 | 786 | 6,149 | 5,079 | 783 | 6,025 | 4,978 |
| 2024 | 303 | 22.0 | 67 | 0 | 0 | 67 | 636 | 6,786 | 5,456 | 570 | 6,595 | 5,315 |
| 2025 | 225 | 22.0 | 50 | 0 | 0 | 50 | 514 | 7,300 | 5,732 | 464 | 7,059 | 5,565 |
| 2026 | 158 | 22.0 | 35 | 0 | 0 | 35 | 406 | 7,706 | 5,931 | 371 | 7,431 | 5,747 |
| 2027 | 90 | 22.0 | 20 | 0 | 0 | 20 | 331 | 8,037 | 6,078 | 311 | 7,742 | 5,885 |
| 2028 | 96 | 22.0 | 21 | 0 | 0 | 21 | 250 | 8,287 | 6,180 | 229 | 7,971 | 5,978 |
| 2029 | 134 | 22.0 | 29 | 0 | 0 | 29 | 172 | 8,459 | 6,243 | 143 | 8,114 | 6,031 |
| 2030 | 91 | 22.0 | 20 | 0 | 0 | 20 | 128 | 8,587 | 6,286 | 108 | 8,222 | 6,067 |
| Sub. | 1,660 | | 365 | 0 | 0 | 365 | 8,587 | 8,587 | 6,286 | 8,222 | 8,222 | 6,067 |
| Rem. | -144 | | 9 | 0 | 0 | 9 | -33 | 8,554 | 6,289 | -42 | 8,180 | 6,068 |
| Tot. | 1,516 | | 374 | 0 | 0 | 374 | 8,554 | 8,554 | 6,289 | 8,180 | 8,180 | 6,068 |
| Disc | 962 | | 222 | 0 | 0 | 222 | 6,289 | 6,289 | 6,289 | 6,068 | 6,068 | 6,068 |

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 |
| Light/Med Oil | Mbbl | 324 | 0 | 324 | 283 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |
| Total: Oil Eq. | Mboe | 324 | 0 | 324 | 283 | 1.000 | 324 | 100 | 14.0 | 6.9 | 4.4 |

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 |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 22.11 | 0.00 | 37.99 | 19,469 | 100 | 12,668 | 100 |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 22.11 | 0.00 | 37.99 | 19,469 | 100 | 12,668 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 8,692 | 8,554 | 0 | 8,554 | 26.40 | 8,180 | 0 | 8,180 | 25.25 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 7,318 | 7,255 | 0 | 7,255 | 22.39 | 6,973 | 0 | 6,973 | 21.52 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 6,683 | 6,643 | 0 | 6,643 | 20.51 | 6,400 | 0 | 6,400 | 19.75 |
| | | | 10 | 6,320 | 6,289 | 0 | 6,289 | 19.41 | 6,068 | 0 | 6,068 | 18.73 |
| | | | 12 | 5,995 | 5,972 | 0 | 5,972 | 18.43 | 5,769 | 0 | 5,769 | 17.81 |
| | | | 15 | 5,569 | 5,554 | 0 | 5,554 | 17.14 | 5,374 | 0 | 5,374 | 16.59 |
| | | | 20 | 4,989 | 4,980 | 0 | 4,980 | 15.37 | 4,831 | 0 | 4,831 | 14.91 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:20

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **Possible**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 0 | 1 | 0 | 0 | 68.68 |
| 2020 | 0 | 3 | 1 | 1 | 68.68 |
| 2021 | 0 | 4 | 2 | 1 | 68.68 |
| 2022 | 0 | 6 | 2 | 2 | 68.68 |
| 2023 | 0 | 6 | 2 | 2 | 68.68 |
| 2024 | 0 | 7 | 3 | 2 | 68.68 |
| 2025 | 0 | 7 | 3 | 2 | 68.68 |
| 2026 | 0 | 6 | 2 | 2 | 68.68 |
| 2027 | 0 | 6 | 2 | 2 | 68.68 |
| 2028 | 0 | 8 | 3 | 2 | 68.68 |
| 2029 | 0 | 9 | 3 | 3 | 68.68 |
| 2030 | 0 | 9 | 3 | 3 | 68.68 |
| Sub. | | | 27 | 23 | 68.68 |
| Rem. | | | 40 | 35 | 68.68 |
| Tot. | | | 66 | 58 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|--------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|--------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 30 | 0 | 0 | 30 | 0 | 30 | 4 | 0 | 0 | 0 | 4 | 26 | 0 | 4 | 4 |
| 2020 | 77 | 0 | 0 | 77 | 0 | 77 | 10 | 0 | 0 | 0 | 10 | 67 | 0 | 11 | 11 |
| 2021 | 109 | 0 | 0 | 109 | 0 | 109 | 14 | 0 | 0 | 0 | 14 | 95 | 1 | 15 | 16 |
| 2022 | 155 | 0 | 0 | 155 | 0 | 155 | 19 | 0 | 0 | 0 | 19 | 136 | 20 | 22 | 42 |
| 2023 | 142 | 0 | 0 | 142 | 0 | 142 | 18 | 0 | 0 | 0 | 18 | 124 | 1 | 20 | 21 |
| 2024 | 187 | 0 | 0 | 187 | 0 | 187 | 23 | 0 | 0 | 0 | 23 | 163 | 16 | 26 | 42 |
| 2025 | 187 | 0 | 0 | 187 | 0 | 187 | 23 | 0 | 0 | 0 | 23 | 164 | 17 | 26 | 43 |
| 2026 | 152 | 0 | 0 | 152 | 0 | 152 | 19 | 0 | 0 | 0 | 19 | 133 | 1 | 21 | 22 |
| 2027 | 155 | 0 | 0 | 155 | 0 | 155 | 19 | 0 | 0 | 0 | 19 | 136 | 1 | 22 | 23 |
| 2028 | 189 | 0 | 0 | 189 | 0 | 189 | 24 | 0 | 0 | 0 | 24 | 165 | 14 | 27 | 41 |
| 2029 | 229 | 0 | 0 | 229 | 0 | 229 | 29 | 0 | 0 | 0 | 29 | 200 | 42 | 32 | 75 |
| 2030 | 225 | 0 | 0 | 225 | 0 | 225 | 28 | 0 | 0 | 0 | 28 | 197 | 42 | 32 | 74 |
| Sub. | 1,836 | 0 | 0 | 1,836 | 0 | 1,836 | 230 | 0 | 0 | 0 | 230 | 1,607 | 155 | 259 | 415 |
| Rem. | 2,730 | 0 | 0 | 2,730 | 0 | 2,730 | 341 | 0 | 0 | 0 | 341 | 2,389 | 1,581 | 386 | 1,967 |
| Tot. | 4,567 | 0 | 0 | 4,567 | 0 | 4,567 | 571 | 0 | 0 | 0 | 571 | 3,996 | 1,736 | 645 | 2,381 |
| Disc | 1,631 | 0 | 0 | 1,631 | 0 | 1,631 | 204 | 0 | 0 | 0 | 204 | 1,427 | 439 | 230 | 669 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|--------------|------------------------|-----------|-----------|-----------|----------------------|--------------|---------------|------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ | |
| 2019 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 | 22 | 22 | 21 |
| 2020 | 0 | 0 | 0 | 56 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 56 | 77 | 77 | 69 |
| 2021 | 0 | 0 | 0 | 79 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 79 | 157 | 157 | 131 |
| 2022 | 0 | 0 | 0 | 94 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 94 | 250 | 250 | 198 |
| 2023 | 0 | 0 | 0 | 103 | 0 | 0 | 103 | 0 | 0 | 0 | 0 | 103 | 354 | 354 | 266 |
| 2024 | 0 | 0 | 0 | 121 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 121 | 475 | 475 | 337 |
| 2025 | 0 | 0 | 0 | 121 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 121 | 596 | 596 | 402 |
| 2026 | 0 | 0 | 0 | 111 | 0 | -10 | 120 | 0 | 0 | 0 | 0 | 120 | 716 | 716 | 461 |
| 2027 | 0 | 0 | 0 | 113 | 0 | 10 | 103 | 0 | 0 | 0 | 0 | 103 | 819 | 819 | 507 |
| 2028 | 0 | 0 | 0 | 124 | 0 | 0 | 124 | 0 | 0 | 0 | 0 | 124 | 943 | 943 | 558 |
| 2029 | 0 | 0 | 0 | 126 | 0 | -10 | 136 | 0 | 0 | 0 | 0 | 136 | 1,079 | 1,079 | 607 |
| 2030 | 0 | 0 | 0 | 123 | 0 | 10 | 113 | 0 | 0 | 0 | 0 | 113 | 1,192 | 1,192 | 645 |
| Sub. | 0 | 0 | 0 | 1,192 | 0 | 0 | 1,192 | 0 | 0 | 0 | 0 | 1,192 | 1,192 | 1,192 | 645 |
| Rem. | 0 | 0 | 0 | 422 | 0 | 0 | 422 | 0 | 0 | 0 | 0 | 422 | 1,614 | 1,614 | 764 |
| Tot. | 0 | 0 | 0 | 1,614 | 0 | 0 | 1,614 | 0 | 0 | 0 | 0 | 1,614 | 1,614 | 1,614 | 764 |
| Disc | 0 | 0 | 0 | 758 | 0 | -6 | 764 | 0 | 0 | 0 | 0 | 764 | 764 | 764 | 764 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|--------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 22 | 7,039 | 0 | 0 | 0 | 0 | 1,609 | 0 | 0 | 0 | 0 | 1,609 |
| 2020 | 56 | 5,430 | 0 | 0 | 0 | 0 | 1,562 | 0 | 0 | 0 | 0 | 1,562 |
| 2021 | 79 | 3,868 | 0 | 0 | 0 | 0 | 853 | 0 | 0 | 0 | 0 | 853 |
| 2022 | 94 | 3,015 | 0 | 0 | 0 | 0 | 793 | 0 | 0 | 0 | 0 | 793 |
| 2023 | 103 | 2,222 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 769 |
| 2024 | 121 | 1,453 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 333 |
| 2025 | 121 | 1,119 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 | 289 |
| 2026 | 120 | 831 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 248 |
| 2027 | 103 | 582 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 |
| 2028 | 124 | 342 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 | 155 |
| 2029 | 136 | 187 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 |
| 2030 | 113 | 149 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 |
| Sub. | 1,192 | 149 | 0 | 0 | 0 | 0 | 6,927 | 0 | 0 | 0 | 0 | 6,927 |
| Rem. | 422 | 149 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 111 |
| Tot. | 1,614 | 149 | 0 | 0 | 0 | 0 | 7,039 | 0 | 0 | 0 | 0 | 7,039 |
| Disc | 764 | | | | | | 5,328 | 0 | 0 | 0 | 0 | 5,328 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|--------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -1,587 | 22.0 | 0 | 0 | 0 | 0 | 22 | 22 | 21 | 22 | 22 | 21 |
| 2020 | -1,506 | 22.0 | 0 | 0 | 0 | 0 | 56 | 77 | 69 | 56 | 77 | 69 |
| 2021 | -774 | 22.0 | 0 | 0 | 0 | 0 | 79 | 157 | 131 | 79 | 157 | 131 |
| 2022 | -700 | 22.0 | 0 | 0 | 0 | 0 | 94 | 250 | 198 | 94 | 250 | 198 |
| 2023 | -666 | 22.0 | 0 | 0 | 0 | 0 | 103 | 354 | 266 | 103 | 354 | 266 |
| 2024 | -212 | 22.0 | 0 | 0 | 0 | 0 | 121 | 475 | 337 | 121 | 475 | 337 |
| 2025 | -168 | 22.0 | 0 | 0 | 0 | 0 | 121 | 596 | 402 | 121 | 596 | 402 |
| 2026 | -128 | 22.0 | 0 | 0 | 0 | 0 | 120 | 716 | 461 | 120 | 716 | 461 |
| 2027 | -138 | 22.0 | 0 | 0 | 0 | 0 | 103 | 819 | 507 | 103 | 819 | 507 |
| 2028 | -31 | 22.0 | 0 | 0 | 0 | 0 | 124 | 943 | 558 | 124 | 943 | 558 |
| 2029 | 97 | 22.0 | 0 | 0 | 0 | 0 | 136 | 1,079 | 607 | 136 | 1,079 | 607 |
| 2030 | 76 | 22.0 | 0 | 0 | 0 | 0 | 113 | 1,192 | 645 | 113 | 1,192 | 645 |
| Sub. | -5,735 | | 0 | 0 | 0 | 0 | 1,192 | 1,192 | 645 | 1,192 | 1,192 | 645 |
| Rem. | 311 | | 40 | 0 | 0 | 40 | 422 | 1,614 | 764 | 383 | 1,575 | 756 |
| Tot. | -5,424 | | 40 | 0 | 0 | 40 | 1,614 | 1,614 | 764 | 1,575 | 1,575 | 756 |
| Disc | -4,564 | | 9 | 0 | 0 | 9 | 764 | 764 | 764 | 756 | 756 | 756 |

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 |
| Light/Med Oil | Mbbl | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 153.5 | 13.9 |
| Total: Oil Eq. | Mboe | 66 | 0 | 66 | 58 | 1.000 | 66 | 100 | 17.0 | 153.5 | 13.9 |

PRODUCT REVENUE AND EXPENSES

| Product | Units | Average First Year Unit Values | | | | Net Revenue After Royalties | | | | | | |
|----------------|--------|--------------------------------|---------------|----------------|-------------|-----------------------------|----------------|----------------|------------|------------|--------------|------------|
| | | Base Price | Price Adjust. | Wellhead Price | Net Burdens | Operating Expenses | Other Expenses | Prod'n Revenue | Undisc M\$ | % of Total | 10% Disc M\$ | % of Total |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 10.14 | 0.00 | 49.95 | 3,996 | 100 | 1,427 | 100 |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 10.14 | 0.00 | 49.95 | 3,996 | 100 | 1,427 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 1,614 | 1,614 | 0 | 1,614 | 24.28 | 1,575 | 0 | 1,575 | 23.68 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 1,076 | 1,083 | 0 | 1,083 | 16.29 | 1,065 | 0 | 1,065 | 16.02 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 867 | 874 | 0 | 874 | 13.14 | 862 | 0 | 862 | 12.96 |
| | | | 10 | 758 | 764 | 0 | 764 | 11.49 | 756 | 0 | 756 | 11.36 |
| | | | 12 | 668 | 673 | 0 | 673 | 10.13 | 667 | 0 | 667 | 10.03 |
| | | | 15 | 560 | 564 | 0 | 564 | 8.49 | 560 | 0 | 560 | 8.42 |
| | | | 20 | 431 | 434 | 0 | 434 | 6.52 | 432 | 0 | 432 | 6.49 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:21

Company: **Park Place Energy Inc.**
 Property: **Corporate**
 Description: **Summary with After Tax**
\$US Dollars

Reserve Class: **PPP**
 Development Class: **Total**
 Pricing: **SEC 2018-Dec-31 Posted (12 Month Avg.)**
 Effective Date: **December 31, 2018**

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Company Oil Wells | Company Daily bbl/d | Company Yearly Mbbl | Net Yearly Mbbl | Price \$/bbl |
|-------------|-------------------|---------------------|---------------------|-----------------|--------------|
| 2019 | 3 | 130 | 47 | 42 | 68.68 |
| 2020 | 3 | 113 | 41 | 36 | 68.68 |
| 2021 | 3 | 100 | 36 | 32 | 68.68 |
| 2022 | 3 | 89 | 33 | 28 | 68.68 |
| 2023 | 3 | 79 | 29 | 25 | 68.68 |
| 2024 | 3 | 72 | 26 | 23 | 68.68 |
| 2025 | 3 | 65 | 24 | 21 | 68.68 |
| 2026 | 2 | 59 | 21 | 19 | 68.68 |
| 2027 | 2 | 54 | 20 | 17 | 68.68 |
| 2028 | 2 | 51 | 18 | 16 | 68.68 |
| 2029 | 2 | 47 | 17 | 15 | 68.68 |
| 2030 | 2 | 44 | 16 | 14 | 68.68 |
| Sub. | | | 330 | 289 | 68.68 |
| Rem. | | | 61 | 53 | 68.68 |
| Tot. | | | 390 | 342 | 68.68 |

REVENUE AND EXPENSE FORECAST

Revenue Before Burdens

| Year | Working Interest | | | | Royalty Interest Total M\$ | Company Interest Total M\$ | Royalty Burdens Pre-Processing | | Gas Processing Allowance | | Total Royalty After Process. M\$ | Net Revenue After Royalty M\$ | Operating Expenses | | |
|-------------|------------------|----------|-------------|---------------|----------------------------|----------------------------|--------------------------------|-----------|--------------------------|-----------|----------------------------------|-------------------------------|--------------------|--------------|---------------|
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | | | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | | | Fixed M\$ | Variable M\$ | Total M\$ |
| 2019 | 3,261 | 0 | 0 | 3,261 | 0 | 3,261 | 408 | 0 | 0 | 0 | 408 | 2,854 | 584 | 461 | 1,045 |
| 2020 | 2,845 | 0 | 0 | 2,845 | 0 | 2,845 | 356 | 0 | 0 | 0 | 356 | 2,489 | 586 | 402 | 987 |
| 2021 | 2,504 | 0 | 0 | 2,504 | 0 | 2,504 | 313 | 0 | 0 | 0 | 313 | 2,191 | 587 | 354 | 941 |
| 2022 | 2,235 | 0 | 0 | 2,235 | 0 | 2,235 | 279 | 0 | 0 | 0 | 279 | 1,956 | 588 | 316 | 904 |
| 2023 | 1,989 | 0 | 0 | 1,989 | 0 | 1,989 | 249 | 0 | 0 | 0 | 249 | 1,741 | 570 | 281 | 851 |
| 2024 | 1,811 | 0 | 0 | 1,811 | 0 | 1,811 | 226 | 0 | 0 | 0 | 226 | 1,584 | 571 | 256 | 827 |
| 2025 | 1,639 | 0 | 0 | 1,639 | 0 | 1,639 | 205 | 0 | 0 | 0 | 205 | 1,434 | 568 | 231 | 799 |
| 2026 | 1,471 | 0 | 0 | 1,471 | 0 | 1,471 | 184 | 0 | 0 | 0 | 184 | 1,287 | 553 | 208 | 760 |
| 2027 | 1,360 | 0 | 0 | 1,360 | 0 | 1,360 | 170 | 0 | 0 | 0 | 170 | 1,190 | 554 | 192 | 746 |
| 2028 | 1,266 | 0 | 0 | 1,266 | 0 | 1,266 | 158 | 0 | 0 | 0 | 158 | 1,108 | 555 | 179 | 733 |
| 2029 | 1,176 | 0 | 0 | 1,176 | 0 | 1,176 | 147 | 0 | 0 | 0 | 147 | 1,029 | 555 | 166 | 721 |
| 2030 | 1,099 | 0 | 0 | 1,099 | 0 | 1,099 | 137 | 0 | 0 | 0 | 137 | 962 | 556 | 155 | 711 |
| Sub. | 22,658 | 0 | 0 | 22,658 | 0 | 22,658 | 2,832 | 0 | 0 | 0 | 2,832 | 19,825 | 6,826 | 3,200 | 10,026 |
| Rem. | 4,159 | 0 | 0 | 4,159 | 0 | 4,159 | 520 | 0 | 0 | 0 | 520 | 3,639 | 2,545 | 587 | 3,132 |
| Tot. | 26,817 | 0 | 0 | 26,817 | 0 | 26,817 | 3,352 | 0 | 0 | 0 | 3,352 | 23,465 | 9,371 | 3,788 | 13,159 |
| Disc | 16,109 | 0 | 0 | 16,109 | 0 | 16,109 | 2,014 | 0 | 0 | 0 | 2,014 | 14,096 | 4,743 | 2,275 | 7,018 |

| Year | Mineral Tax M\$ | Capital Tax M\$ | NPI Burden M\$ | Net Prod'n Revenue M\$ | Other Income M\$ | Aband. & Oper. | | Net Capital Investment | | | | Before Tax Cash Flow | | |
|-------------|-----------------|-----------------|----------------|------------------------|------------------|-----------------|---------------|------------------------|-----------|-----------|-----------|----------------------|---------------|---------------|
| | | | | | | Recl. Costs M\$ | Income M\$ | Dev. M\$ | Plant M\$ | Tang. M\$ | Total M\$ | Annual M\$ | Cum. M\$ | 10.0% Def M\$ |
| 2019 | 0 | 0 | 0 | 1,809 | 0 | 0 | 1,809 | 0 | 0 | 0 | 0 | 1,809 | 1,809 | 1,725 |
| 2020 | 0 | 0 | 0 | 1,502 | 0 | 0 | 1,502 | 0 | 0 | 0 | 0 | 1,502 | 3,311 | 3,027 |
| 2021 | 0 | 0 | 0 | 1,251 | 0 | 0 | 1,251 | 0 | 0 | 0 | 0 | 1,251 | 4,561 | 4,012 |
| 2022 | 0 | 0 | 0 | 1,052 | 0 | 0 | 1,052 | 0 | 0 | 0 | 0 | 1,052 | 5,613 | 4,766 |
| 2023 | 0 | 0 | 0 | 889 | 0 | 0 | 889 | 0 | 0 | 0 | 0 | 889 | 6,503 | 5,345 |
| 2024 | 0 | 0 | 0 | 757 | 0 | 0 | 757 | 0 | 0 | 0 | 0 | 757 | 7,260 | 5,793 |
| 2025 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 635 | 7,895 | 6,135 |
| 2026 | 0 | 0 | 0 | 527 | 0 | 0 | 527 | 0 | 0 | 0 | 0 | 527 | 8,422 | 6,393 |
| 2027 | 0 | 0 | 0 | 444 | 0 | 10 | 435 | 0 | 0 | 0 | 0 | 435 | 8,856 | 6,586 |
| 2028 | 0 | 0 | 0 | 374 | 0 | 0 | 374 | 0 | 0 | 0 | 0 | 374 | 9,231 | 6,737 |
| 2029 | 0 | 0 | 0 | 308 | 0 | 0 | 308 | 0 | 0 | 0 | 0 | 308 | 9,538 | 6,850 |
| 2030 | 0 | 0 | 0 | 251 | 0 | 10 | 241 | 0 | 0 | 0 | 0 | 241 | 9,779 | 6,931 |
| Sub. | 0 | 0 | 0 | 9,799 | 0 | 20 | 9,779 | 0 | 0 | 0 | 0 | 9,779 | 9,779 | 6,931 |
| Rem. | 0 | 0 | 0 | 507 | 0 | 118 | 390 | 0 | 0 | 0 | 0 | 390 | 10,169 | 7,054 |
| Tot. | 0 | 0 | 0 | 10,306 | 0 | 137 | 10,169 | 0 | 0 | 0 | 0 | 10,169 | 10,169 | 7,054 |
| Disc | 0 | 0 | 0 | 7,078 | 0 | 24 | 7,054 | 0 | 0 | 0 | 0 | 7,054 | 7,054 | 7,054 |

AFTER TAX ANALYSIS

| Year | Oper. Income M\$ | Tax Pool Balances Incl. Current Year Additions | | | | | Depreciation & Writeoffs | | | | | Total M\$ |
|-------------|------------------|--|--------------|-----------------|-----------------|-----------|--------------------------|--------------|-----------------|-----------------|-----------|---------------|
| | | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | Tangible M\$ | Property M\$ | Development M\$ | Exploration M\$ | Other M\$ | |
| 2019 | 1,809 | 14,077 | 0 | 0 | 0 | 0 | 3,217 | 0 | 0 | 0 | 0 | 3,217 |
| 2020 | 1,502 | 10,860 | 0 | 0 | 0 | 0 | 3,123 | 0 | 0 | 0 | 0 | 3,123 |
| 2021 | 1,251 | 7,737 | 0 | 0 | 0 | 0 | 1,707 | 0 | 0 | 0 | 0 | 1,707 |
| 2022 | 1,052 | 6,030 | 0 | 0 | 0 | 0 | 1,586 | 0 | 0 | 0 | 0 | 1,586 |
| 2023 | 889 | 4,444 | 0 | 0 | 0 | 0 | 1,539 | 0 | 0 | 0 | 0 | 1,539 |
| 2024 | 757 | 2,905 | 0 | 0 | 0 | 0 | 666 | 0 | 0 | 0 | 0 | 666 |
| 2025 | 635 | 2,239 | 0 | 0 | 0 | 0 | 578 | 0 | 0 | 0 | 0 | 578 |
| 2026 | 527 | 1,661 | 0 | 0 | 0 | 0 | 496 | 0 | 0 | 0 | 0 | 496 |
| 2027 | 435 | 1,165 | 0 | 0 | 0 | 0 | 482 | 0 | 0 | 0 | 0 | 482 |
| 2028 | 374 | 683 | 0 | 0 | 0 | 0 | 309 | 0 | 0 | 0 | 0 | 309 |
| 2029 | 308 | 374 | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 77 |
| 2030 | 241 | 297 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 74 |
| Sub. | 9,779 | 297 | 0 | 0 | 0 | 0 | 13,855 | 0 | 0 | 0 | 0 | 13,855 |
| Rem. | 390 | 297 | 0 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 | 223 |
| Tot. | 10,169 | 297 | 0 | 0 | 0 | 0 | 14,077 | 0 | 0 | 0 | 0 | 14,077 |
| Disc | 7,054 | | | | | | 10,655 | 0 | 0 | 0 | 0 | 10,655 |

| Year | Taxable Income M\$ | Federal | | State | | Income Tax Payable M\$ | Net Cash Flow Before Income Tax | | | Net Cash Flow After Income Tax | | |
|-------------|--------------------|------------|----------------|----------------|---------------------------|------------------------|---------------------------------|---------------|---------------|--------------------------------|--------------|---------------|
| | | Tax Rate % | Income Tax M\$ | Income Tax M\$ | ARTD & Investment Credits | | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ | Annual M\$ | Cum. M\$ | 10.0% Dcf M\$ |
| 2019 | -1,408 | 22.0 | 39 | 0 | 0 | 39 | 1,809 | 1,809 | 1,725 | 1,770 | 1,770 | 1,687 |
| 2020 | -1,621 | 22.0 | 0 | 0 | 0 | 0 | 1,502 | 3,311 | 3,027 | 1,502 | 3,272 | 2,989 |
| 2021 | -456 | 22.0 | 45 | 0 | 0 | 45 | 1,251 | 4,561 | 4,012 | 1,206 | 4,478 | 3,939 |
| 2022 | -534 | 22.0 | 36 | 0 | 0 | 36 | 1,052 | 5,613 | 4,766 | 1,016 | 5,493 | 4,667 |
| 2023 | -649 | 22.0 | 4 | 0 | 0 | 4 | 889 | 6,503 | 5,345 | 886 | 6,379 | 5,244 |
| 2024 | 91 | 22.0 | 67 | 0 | 0 | 67 | 757 | 7,260 | 5,793 | 691 | 7,070 | 5,653 |
| 2025 | 57 | 22.0 | 50 | 0 | 0 | 50 | 635 | 7,895 | 6,135 | 585 | 7,655 | 5,968 |
| 2026 | 30 | 22.0 | 35 | 0 | 0 | 35 | 527 | 8,422 | 6,393 | 492 | 8,147 | 6,208 |
| 2027 | -47 | 22.0 | 20 | 0 | 0 | 20 | 435 | 8,856 | 6,586 | 415 | 8,561 | 6,393 |
| 2028 | 65 | 22.0 | 21 | 0 | 0 | 21 | 374 | 9,231 | 6,737 | 353 | 8,915 | 6,536 |
| 2029 | 231 | 22.0 | 29 | 0 | 0 | 29 | 308 | 9,538 | 6,850 | 278 | 9,193 | 6,638 |
| 2030 | 167 | 22.0 | 20 | 0 | 0 | 20 | 241 | 9,779 | 6,931 | 221 | 9,414 | 6,712 |
| Sub. | -4,075 | | 365 | 0 | 0 | 365 | 9,779 | 9,779 | 6,931 | 9,414 | 9,414 | 6,712 |
| Rem. | 167 | | 49 | 0 | 0 | 49 | 390 | 10,169 | 7,054 | 341 | 9,755 | 6,823 |
| Tot. | -3,908 | | 414 | 0 | 0 | 414 | 10,169 | 10,169 | 7,054 | 9,755 | 9,755 | 6,823 |
| Disc | -3,602 | | 230 | 0 | 0 | 230 | 7,054 | 7,054 | 7,054 | 6,823 | 6,823 | 6,823 |

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 |
| Light/Med Oil | Mbbl | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 | 8.2 | 5.3 |
| Total: Oil Eq. | Mboe | 390 | 0 | 390 | 342 | 1.000 | 390 | 100 | 17.0 | 8.2 | 5.3 |

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 |
| Light/Med Oil | \$/bbl | 70.07 | -1.39 | 68.68 | 8.58 | 22.00 | 0.00 | 38.09 | 23,465 | 100 | 14,096 | 100 |
| Total: Oil Eq. | \$/boe | 70.07 | -1.39 | 68.68 | 8.58 | 22.00 | 0.00 | 38.09 | 23,465 | 100 | 14,096 | 100 |

REVENUE BURDENS AND NET PRESENT VALUE SUMMARY

| Revenue Burdens (%) | Net Present Value Before Income Tax | | | | | | Net Present Value After Income Tax | | | | | |
|---------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|------------------------------------|--------|----------------------|---------------------|-----------|--------|
| | Revenue Burdens (%) | | 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 | 12.5000 | 12.5000 | 0 | 10,306 | 10,169 | 0 | 10,169 | 26.04 | 9,755 | 0 | 9,755 | 24.98 |
| Non-crown Royalty | 0.0000 | 0.0000 | 5 | 8,394 | 8,339 | 0 | 8,339 | 21.36 | 8,038 | 0 | 8,038 | 20.58 |
| Mineral Tax | 0.0000 | 0.0000 | 8 | 7,550 | 7,517 | 0 | 7,517 | 19.25 | 7,262 | 0 | 7,262 | 18.60 |
| | | | 10 | 7,078 | 7,054 | 0 | 7,054 | 18.06 | 6,823 | 0 | 6,823 | 17.47 |
| | | | 12 | 6,663 | 6,645 | 0 | 6,645 | 17.02 | 6,436 | 0 | 6,436 | 16.48 |
| | | | 15 | 6,130 | 6,118 | 0 | 6,118 | 15.67 | 5,934 | 0 | 5,934 | 15.20 |
| | | | 20 | 5,420 | 5,414 | 0 | 5,414 | 13.86 | 5,263 | 0 | 5,263 | 13.48 |

Evaluator: Olenick, Patrick A.
Run Date: February 22, 2019 08:13:21

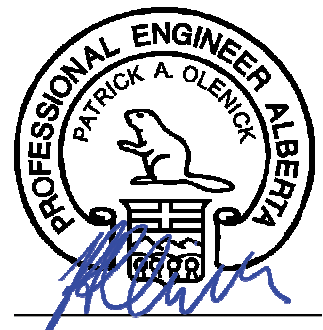
APPENDIX I
CERTIFICATES OF QUALIFICATION

Patrick A. Olenick
John Patrick L. Noynay

CERTIFICATION OF QUALIFICATION

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

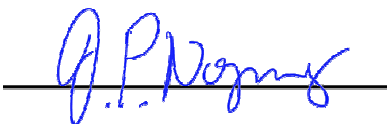
1. That I am an employee of GLJ Petroleum Consultants Ltd., which company did prepare a detailed analysis of Turkish oil properties of Park Place Energy Inc. (the "Company"). The effective date of this evaluation is December 31, 2018.
2. That I do not have, nor do I expect to receive any direct or indirect 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 2003; that I am a Registered Professional Engineer in the Province of Alberta; and, that I have in excess of seventeen years 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, John Patrick L. Noynay, Engineer In Training, 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 Turkish oil properties of Park Place Energy Inc. (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 in Oil and Gas Engineering in 2017; and, that I am an Engineer In Training; and, that I have in excess of two 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.



John Patrick L. Noynay, E.I.T.

PARK PLACE ENERGY INC.

CENDERE

Effective December 31, 2018

Prepared by
John Noynay, E.I.T.
Patrick A. Olenick, P. Eng.

CENDERE**TABLE OF CONTENTS**

| | <u>Page</u> |
|---|-------------|
| SUMMARY | |
| Summary of Reserves and Values | 3 |
| Summary of Reserves and Values | 4 |
| Historical and Forecast Total Oil Production Gross Lease/Company Interest | 5 |
| Daily Production, Reserves and Present Value Summary | 6 |
| LAND | |
| Summary of Well Interests and Burdens | 8 |
| PLOTS | |
| Plot 1 Cendere - Total Property - Oil Time Semilog Property Plot | 9 |
| Plot 2 Cendere - Total Property - Oil Cum Coord Property Plot | 10 |
| Plot 3 Cendere - Total Property - Oil Cum Coord Property Plot | 11 |
| TABLES | |
| Table 1 Well List and Production Summary | 12 |
| Table 2 Gross Lease Reserves Summary | 13 |
| Table 2.1 Oil Decline Parameters | 15 |
| Table 3 Daily Production | 17 |
| Table 4 Economic Parameters | 18 |
| ECONOMIC FORECASTS | |
| Proved Producing | 19 |
| Proved Plus Probable Producing | 21 |
| PPP Producing | 23 |
| APPENDIX | |
| Reserves Estimation - Supporting Information | 25 |

Company: **Park Place Energy Inc.**
 Property: **Cendere**
 Description: **\$US Dollars**

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 | Proved Plus Probable Producing | Proved Plus Probable Developed Non- Producing |
|---|---------------------|--|-----------------------|-----------------|---|--|
| MARKETABLE RESERVES | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | |
| Gross Lease | 1,590 | 0 | 0 | 1,590 | 2,005 | 0 |
| Total Company Interest | 255 | 0 | 0 | 255 | 324 | 0 |
| Net After Royalty | 223 | 0 | 0 | 223 | 284 | 0 |
| Oil Equivalent (Mboe) | | | | | | |
| Gross Lease | 1,590 | 0 | 0 | 1,590 | 2,005 | 0 |
| Total Company Interest | 255 | 0 | 0 | 255 | 324 | 0 |
| Net After Royalty | 223 | 0 | 0 | 223 | 284 | 0 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | |
| 0% | 6,485 | 0 | 0 | 6,485 | 8,484 | 0 |
| 5% | 5,638 | 0 | 0 | 5,638 | 7,072 | 0 |
| 8% | 5,220 | 0 | 0 | 5,220 | 6,413 | 0 |
| 10% | 4,973 | 0 | 0 | 4,973 | 6,035 | 0 |
| 12% | 4,747 | 0 | 0 | 4,747 | 5,698 | 0 |
| 15% | 4,444 | 0 | 0 | 4,444 | 5,258 | 0 |
| 20% | 4,018 | 0 | 0 | 4,018 | 4,659 | 0 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | | | | | |
| 2019 | 1,427 | 0 | 0 | 1,427 | 1,460 | 0 |
| 2020 | 1,236 | 0 | 0 | 1,236 | 1,324 | 0 |
| 2021 | 1,004 | 0 | 0 | 1,004 | 1,125 | 0 |
| 2022 | 795 | 0 | 0 | 795 | 943 | 0 |
| 2023 | 635 | 0 | 0 | 635 | 807 | 0 |
| 2024 | 514 | 0 | 0 | 514 | 683 | 0 |

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: February 13, 2019 12:09:17

1192041 Class (A,B1,B2,C,G,H1), GLJ (2019-01), psum

February 13, 2019 12:09:48

Company: **Park Place Energy Inc.**
 Property: **Cendere**
 Description: **\$US Dollars**

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

Summary of Reserves and Values

| | Proved Plus Probable Undeveloped | Total Proved Plus Probable | Total Possible | PPP Developed Non- Producing | PPP Undeveloped | Total PPP |
|---|---|-------------------------------------|-------------------|---------------------------------------|--------------------|--------------|
| MARKETABLE RESERVES | | | | | | |
| Light & Medium Oil (Mbbbl) | | | | | | |
| Gross Lease | 0 | 2,005 | 395 | 0 | 0 | 2,400 |
| Total Company Interest | 0 | 324 | 66 | 0 | 0 | 390 |
| Net After Royalty | 0 | 284 | 58 | 0 | 0 | 342 |
| Oil Equivalent (Mboe) | | | | | | |
| Gross Lease | 0 | 2,005 | 395 | 0 | 0 | 2,400 |
| Total Company Interest | 0 | 324 | 66 | 0 | 0 | 390 |
| Net After Royalty | 0 | 284 | 58 | 0 | 0 | 342 |
| BEFORE TAX PRESENT VALUE (M\$) | | | | | | |
| 0% | 0 | 8,484 | 1,932 | 0 | 0 | 10,416 |
| 5% | 0 | 7,072 | 1,267 | 0 | 0 | 8,338 |
| 8% | 0 | 6,413 | 1,007 | 0 | 0 | 7,421 |
| 10% | 0 | 6,035 | 873 | 0 | 0 | 6,909 |
| 12% | 0 | 5,698 | 763 | 0 | 0 | 6,461 |
| 15% | 0 | 5,258 | 631 | 0 | 0 | 5,888 |
| 20% | 0 | 4,659 | 475 | 0 | 0 | 5,135 |
| FIRST 6 YEARS BEFORE TAX CASH FLOW (M\$) | | | | | | |
| 2019 | 0 | 1,460 | 19 | 0 | 0 | 1,478 |
| 2020 | 0 | 1,324 | 53 | 0 | 0 | 1,376 |
| 2021 | 0 | 1,125 | 78 | 0 | 0 | 1,204 |
| 2022 | 0 | 943 | 94 | 0 | 0 | 1,036 |
| 2023 | 0 | 807 | 108 | 0 | 0 | 916 |
| 2024 | 0 | 683 | 131 | 0 | 0 | 814 |

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: February 13, 2019 12:09:17

1192041 Class (H2,I,O,Q1,Q2,R), GLJ (2019-01), psum

February 13, 2019 12:09:49

Historical and Forecast Production

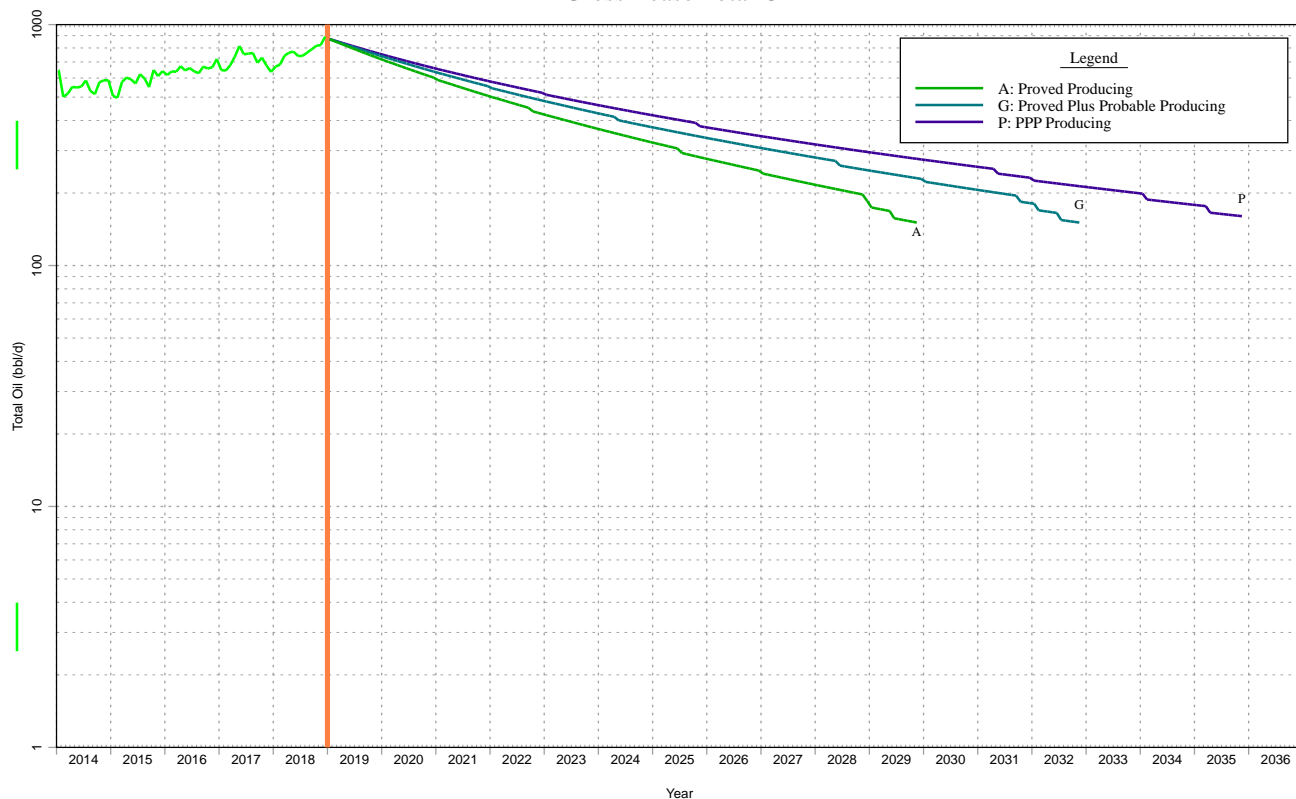
Company:
Property:

Park Place Energy Inc.
Cendere

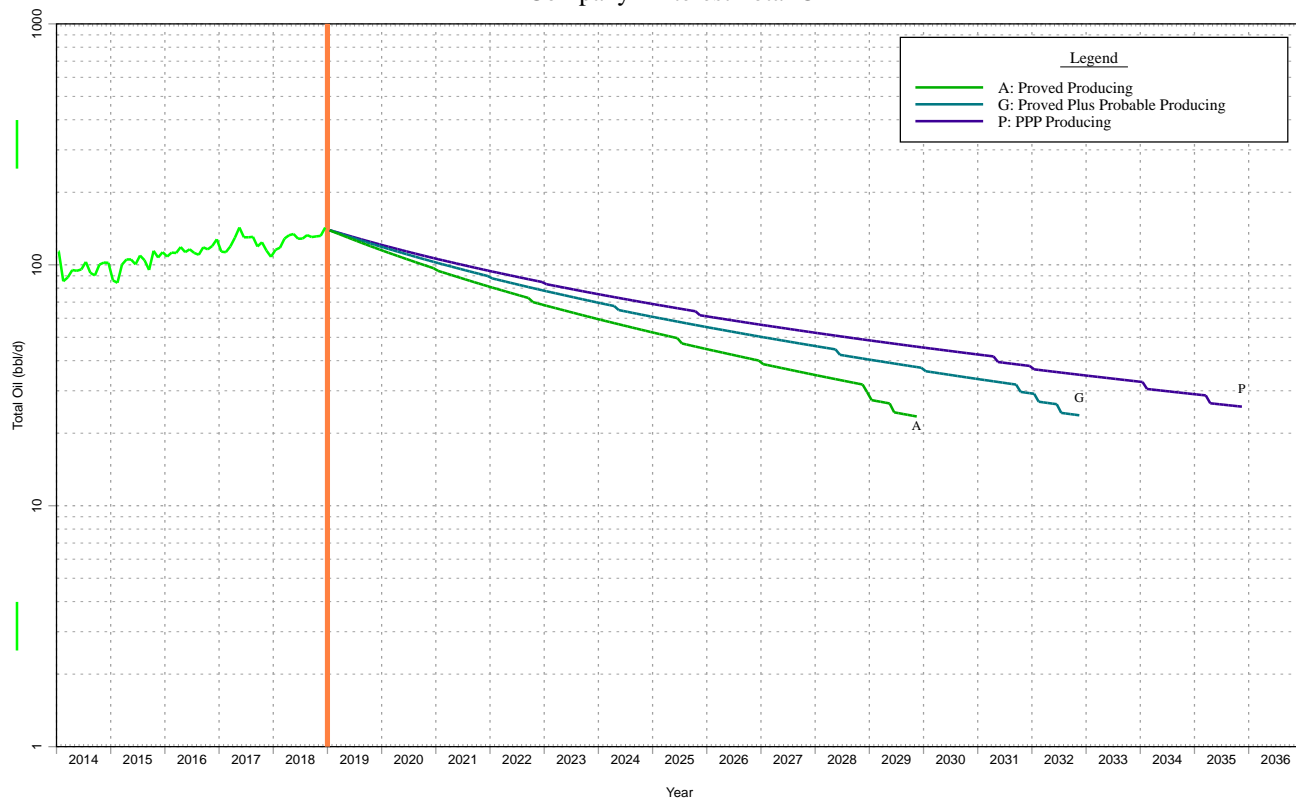
Pricing:
Effective Date:

GLJ (2019-01)
December 31, 2018

Gross Lease Total Oil



Company* Interest Total Oil



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

Company: **Park Place Energy Inc.**
Property: **Cendere**

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

Daily Production, Reserves and Present Value Summary

| Entity Description | Reserve Class | 2019 Gross Lease Production | | | | 2019 Company Interest Production | | | | Gross Lease Reserves | | | | | Company Interest Reserves | | | | | Before Tax 10% Dcf Present Value M\$ |
|--|---------------|-----------------------------|--------------|--------------|------------------|----------------------------------|--------------|--------------|------------------|----------------------|--------------|--------------|----------------|-----------------|---------------------------|--------------|--------------|----------------|-----------------|--|
| | | Gas Mcf/d | Oil bbl/d | NGL bbl/d | Oil Eq. boe/d | 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 | |
| Proved Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | A | 0 | 55 | 0 | 55 | 0 | 11 | 0 | 11 | 0 | 136 | 0 | 0 | 136 | 0 | 27 | 0 | 0 | 27 | 523 |
| CENDERE-03 | A | 0 | 71 | 0 | 71 | 0 | 14 | 0 | 14 | 0 | 167 | 0 | 0 | 167 | 0 | 33 | 0 | 0 | 33 | 684 |
| CENDERE-05A | A | 0 | 26 | 0 | 26 | 0 | 5 | 0 | 5 | 0 | 25 | 0 | 0 | 25 | 0 | 5 | 0 | 0 | 5 | 93 |
| CENDERE-07 | A | 0 | 12 | 0 | 12 | 0 | 2 | 0 | 2 | 0 | 24 | 0 | 0 | 24 | 0 | 5 | 0 | 0 | 5 | 15 |
| CENDERE-09 | A | 0 | 28 | 0 | 28 | 0 | 6 | 0 | 6 | 0 | 75 | 0 | 0 | 75 | 0 | 15 | 0 | 0 | 15 | 219 |
| CENDERE-10 | A | 0 | 73 | 0 | 73 | 0 | 14 | 0 | 14 | 0 | 157 | 0 | 0 | 157 | 0 | 31 | 0 | 0 | 31 | 649 |
| CENDERE-11 | A | 0 | 14 | 0 | 14 | 0 | 3 | 0 | 3 | 0 | 38 | 0 | 0 | 38 | 0 | 7 | 0 | 0 | 7 | 41 |
| CENDERE-13 | A | 0 | 240 | 0 | 240 | 0 | 24 | 0 | 24 | 0 | 431 | 0 | 0 | 431 | 0 | 42 | 0 | 0 | 42 | 1,065 |
| CENDERE-14 | A | 0 | 19 | 0 | 19 | 0 | 4 | 0 | 4 | 0 | 33 | 0 | 0 | 33 | 0 | 7 | 0 | 0 | 7 | 94 |
| CENDERE-16 | A | 0 | 51 | 0 | 51 | 0 | 5 | 0 | 5 | 0 | 143 | 0 | 0 | 143 | 0 | 14 | 0 | 0 | 14 | 268 |
| CENDERE-17 | A | 0 | 35 | 0 | 35 | 0 | 7 | 0 | 7 | 0 | 75 | 0 | 0 | 75 | 0 | 15 | 0 | 0 | 15 | 244 |
| CENDERE-19 | A | 0 | 30 | 0 | 30 | 0 | 6 | 0 | 6 | 0 | 66 | 0 | 0 | 66 | 0 | 13 | 0 | 0 | 13 | 210 |
| CENDERE-23 | A | 0 | 87 | 0 | 87 | 0 | 17 | 0 | 17 | 0 | 123 | 0 | 0 | 123 | 0 | 24 | 0 | 0 | 24 | 554 |
| CENDERE-24 | A | 0 | 43 | 0 | 43 | 0 | 8 | 0 | 8 | 0 | 89 | 0 | 0 | 89 | 0 | 17 | 0 | 0 | 17 | 310 |
| CENDERE-25 | A | 0 | 11 | 0 | 11 | 0 | 2 | 0 | 2 | 0 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 1 | 3 |
| Total: Proved Producing | | 0 | 793 | 0 | 793 | 0 | 127 | 0 | 127 | 0 | 1,590 | 0 | 0 | 1,590 | 0 | 255 | 0 | 0 | 255 | 4,973 |
| Proved Plus Probable Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | G | 0 | 55 | 0 | 55 | 0 | 11 | 0 | 11 | 0 | 171 | 0 | 0 | 171 | 0 | 34 | 0 | 0 | 34 | 627 |
| CENDERE-03 | G | 0 | 72 | 0 | 72 | 0 | 14 | 0 | 14 | 0 | 221 | 0 | 0 | 221 | 0 | 43 | 0 | 0 | 43 | 858 |
| CENDERE-05A | G | 0 | 27 | 0 | 27 | 0 | 5 | 0 | 5 | 0 | 35 | 0 | 0 | 35 | 0 | 7 | 0 | 0 | 7 | 130 |
| CENDERE-07 | G | 0 | 12 | 0 | 12 | 0 | 2 | 0 | 2 | 0 | 32 | 0 | 0 | 32 | 0 | 6 | 0 | 0 | 6 | 22 |
| CENDERE-09 | G | 0 | 28 | 0 | 28 | 0 | 6 | 0 | 6 | 0 | 97 | 0 | 0 | 97 | 0 | 19 | 0 | 0 | 19 | 275 |
| CENDERE-10 | G | 0 | 73 | 0 | 73 | 0 | 14 | 0 | 14 | 0 | 195 | 0 | 0 | 195 | 0 | 38 | 0 | 0 | 38 | 770 |
| CENDERE-11 | G | 0 | 14 | 0 | 14 | 0 | 3 | 0 | 3 | 0 | 49 | 0 | 0 | 49 | 0 | 10 | 0 | 0 | 10 | 58 |
| CENDERE-13 | G | 0 | 243 | 0 | 243 | 0 | 24 | 0 | 24 | 0 | 523 | 0 | 0 | 523 | 0 | 51 | 0 | 0 | 51 | 1,240 |
| CENDERE-14 | G | 0 | 19 | 0 | 19 | 0 | 4 | 0 | 4 | 0 | 48 | 0 | 0 | 48 | 0 | 10 | 0 | 0 | 10 | 129 |
| CENDERE-16 | G | 0 | 51 | 0 | 51 | 0 | 5 | 0 | 5 | 0 | 176 | 0 | 0 | 176 | 0 | 17 | 0 | 0 | 17 | 314 |
| CENDERE-17 | G | 0 | 35 | 0 | 35 | 0 | 7 | 0 | 7 | 0 | 90 | 0 | 0 | 90 | 0 | 18 | 0 | 0 | 18 | 289 |
| CENDERE-19 | G | 0 | 31 | 0 | 31 | 0 | 6 | 0 | 6 | 0 | 86 | 0 | 0 | 86 | 0 | 17 | 0 | 0 | 17 | 261 |
| CENDERE-23 | G | 0 | 89 | 0 | 89 | 0 | 17 | 0 | 17 | 0 | 158 | 0 | 0 | 158 | 0 | 31 | 0 | 0 | 31 | 676 |
| CENDERE-24 | G | 0 | 43 | 0 | 43 | 0 | 8 | 0 | 8 | 0 | 113 | 0 | 0 | 113 | 0 | 22 | 0 | 0 | 22 | 378 |
| CENDERE-25 | G | 0 | 11 | 0 | 11 | 0 | 2 | 0 | 2 | 0 | 9 | 0 | 0 | 9 | 0 | 2 | 0 | 0 | 2 | 7 |
| Total: Proved Plus Probable Producing | | 0 | 805 | 0 | 805 | 0 | 129 | 0 | 129 | 0 | 2,005 | 0 | 0 | 2,005 | 0 | 324 | 0 | 0 | 324 | 6,035 |
| PPP Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | P | 0 | 56 | 0 | 56 | 0 | 11 | 0 | 11 | 0 | 205 | 0 | 0 | 205 | 0 | 40 | 0 | 0 | 40 | 712 |
| CENDERE-03 | P | 0 | 73 | 0 | 73 | 0 | 14 | 0 | 14 | 0 | 271 | 0 | 0 | 271 | 0 | 53 | 0 | 0 | 53 | 995 |
| CENDERE-05A | P | 0 | 27 | 0 | 27 | 0 | 5 | 0 | 5 | 0 | 45 | 0 | 0 | 45 | 0 | 9 | 0 | 0 | 9 | 165 |
| CENDERE-07 | P | 0 | 12 | 0 | 12 | 0 | 2 | 0 | 2 | 0 | 39 | 0 | 0 | 39 | 0 | 8 | 0 | 0 | 8 | 31 |
| CENDERE-09 | P | 0 | 29 | 0 | 29 | 0 | 6 | 0 | 6 | 0 | 119 | 0 | 0 | 119 | 0 | 23 | 0 | 0 | 23 | 320 |
| CENDERE-10 | P | 0 | 74 | 0 | 74 | 0 | 14 | 0 | 14 | 0 | 231 | 0 | 0 | 231 | 0 | 45 | 0 | 0 | 45 | 869 |

Daily Production, Reserves and Present Value Summary

| Entity Description | Reserve Class | 2019 Gross Lease Production | | | | 2019 Company Interest Production | | | | Gross Lease Reserves | | | | | Company Interest Reserves | | | | | Before Tax 10% Dcf Present Value M\$ |
|------------------------------|---------------|-----------------------------|--------------|--------------|------------------|----------------------------------|--------------|--------------|------------------|----------------------|--------------|--------------|----------------|-----------------|---------------------------|--------------|--------------|----------------|-----------------|--|
| | | Gas Mcf/d | Oil bbl/d | NGL bbl/d | Oil Eq. boe/d | 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 | |
| PPP Producing (Cont.) | | | | | | | | | | | | | | | | | | | | |
| CENDERE-11 | P | 0 | 14 | 0 | 14 | 0 | 3 | 0 | 3 | 0 | 60 | 0 | 0 | 60 | 0 | 12 | 0 | 0 | 12 | 73 |
| CENDERE-13 | P | 0 | 245 | 0 | 245 | 0 | 24 | 0 | 24 | 0 | 607 | 0 | 0 | 607 | 0 | 60 | 0 | 0 | 60 | 1,377 |
| CENDERE-14 | P | 0 | 19 | 0 | 19 | 0 | 4 | 0 | 4 | 0 | 63 | 0 | 0 | 63 | 0 | 12 | 0 | 0 | 12 | 159 |
| CENDERE-16 | P | 0 | 51 | 0 | 51 | 0 | 5 | 0 | 5 | 0 | 208 | 0 | 0 | 208 | 0 | 20 | 0 | 0 | 20 | 351 |
| CENDERE-17 | P | 0 | 35 | 0 | 35 | 0 | 7 | 0 | 7 | 0 | 105 | 0 | 0 | 105 | 0 | 21 | 0 | 0 | 21 | 327 |
| CENDERE-19 | P | 0 | 31 | 0 | 31 | 0 | 6 | 0 | 6 | 0 | 106 | 0 | 0 | 106 | 0 | 21 | 0 | 0 | 21 | 303 |
| CENDERE-23 | P | 0 | 90 | 0 | 90 | 0 | 18 | 0 | 18 | 0 | 192 | 0 | 0 | 192 | 0 | 38 | 0 | 0 | 38 | 778 |
| CENDERE-24 | P | 0 | 44 | 0 | 44 | 0 | 9 | 0 | 9 | 0 | 136 | 0 | 0 | 136 | 0 | 27 | 0 | 0 | 27 | 436 |
| CENDERE-25 | P | 0 | 12 | 0 | 12 | 0 | 2 | 0 | 2 | 0 | 12 | 0 | 0 | 12 | 0 | 2 | 0 | 0 | 2 | 11 |
| Total: PPP Producing | | 0 | 812 | 0 | 812 | 0 | 130 | 0 | 130 | 0 | 2,400 | 0 | 0 | 2,400 | 0 | 390 | 0 | 0 | 390 | 6,909 |

BOE Factors: HVY OIL 1.0
COND 1.0

RES GAS 6.0
SLN GAS 6.0

PROPANE 1.0
BUTANE 1.0

ETHANE 1.0
SULPHUR 0.0

Company: **Park Place Energy Inc.**
 Property: **Cendere**

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

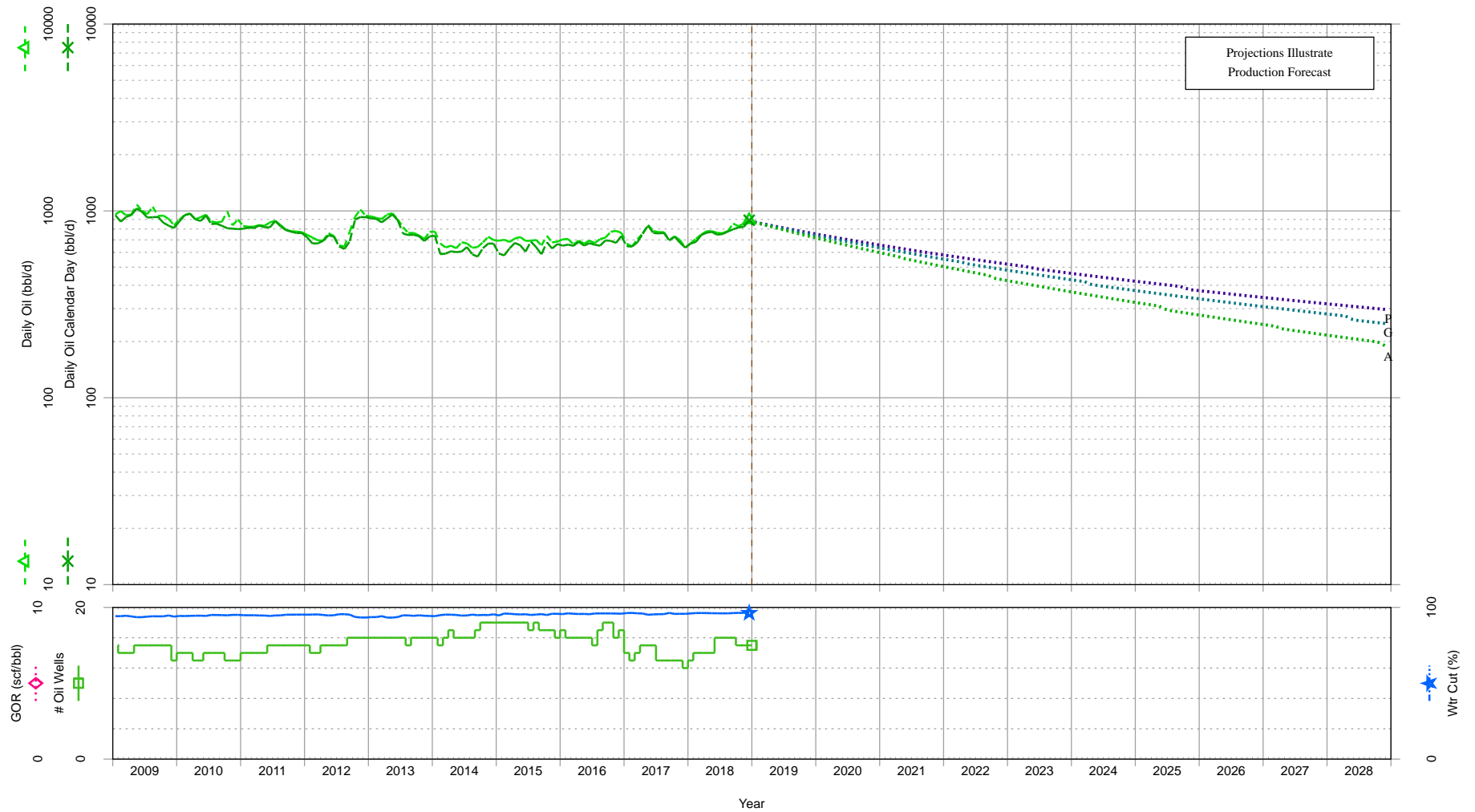
Summary of Well Interests and Burdens

| Entity Description | Working Interest | | | Type | Royalty Interest | | | Lessor Royalty | Other Royalty Burdens | | | |
|--------------------|------------------|-------|----------------|------|------------------|-------|----------------|------------------|-----------------------|-------|-------|----------------|
| | BPO % | APO % | Rem PO (000's) | | BPO % | APO % | Rem PO (000's) | | Type | BPO % | APO % | Rem PO (000's) |
| <i>Cendere</i> | | | | | | | | | | | | |
| CENDERE-01 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-03 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-05A | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-07 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-09 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-10 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-11 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-13 | 9.800 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-14 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-16 | 9.800 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-17 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-19 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-22 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-23 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-24 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |
| CENDERE-25 | 19.600 | - | - | | - | - | - | FED CR ROY 12.5% | - | - | - | - |

Glossary
 APO=BPO interests unless otherwise specified
 CR: Crown Royalty
 ROY: Royalty Percent

Historical and Forecast Production Cendere - Total Property

Property : Cendere



Total Reserves Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | |
|-------------------------|-------------------|----------------|-----------|
| | Ultimate | Cum Production | Remaining |
| Pv Prd A(R) | 22161 | 20238 | 1923 |
| P + P Prd G(R) | 22712 | 20238 | 2474 |
| PPP Prd P(R) | 23263 | 20238 | 3025 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|-----------|-------------|--------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 785.2 bbl/d | 769.9 bbl/cd | GOR | 0.0 scf/stb |
| Avg Wells | 14.5 | | WC | 96.2% |

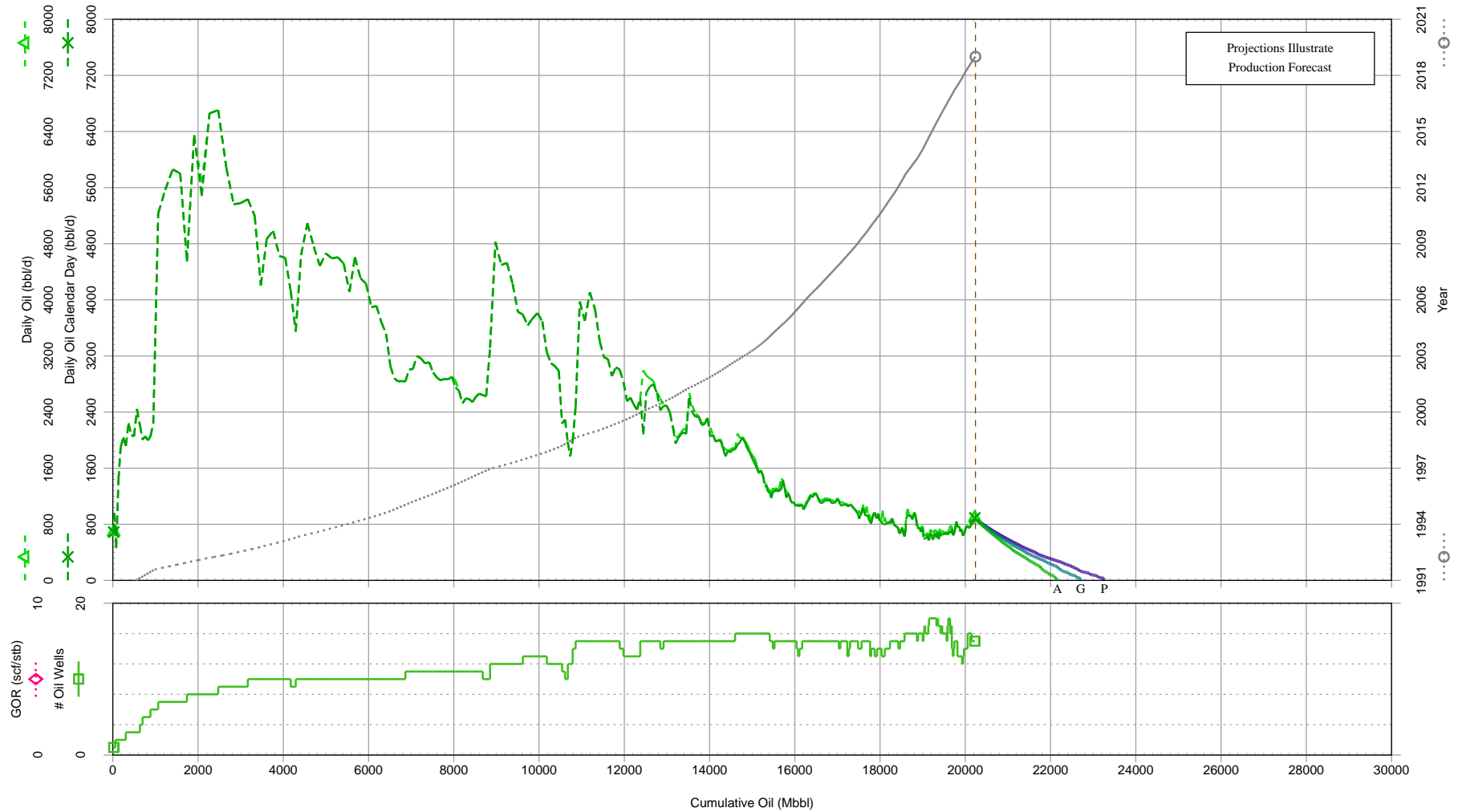
Cumulative Production

| | | | | | |
|-----|--------------|-----|----------|-------|---------------|
| Oil | 20238.1 Mbbl | Gas | 0.0 MMcf | Water | 123143.9 Mbbl |
|-----|--------------|-----|----------|-------|---------------|

Plot 1

Historical and Forecast Production Cendere - Total Property

Property : Cendere



Total Reserves Summary At 2019/01/01

| Reserves Classification | Reserves (Mbb) | | |
|-------------------------|------------------|----------------|-----------|
| | Ultimate | Cum Production | Remaining |
| Pv Prd A(R) | 22161 | 20238 | 1923 |
| P + P Prd G(R) | 22712 | 20238 | 2474 |
| PPP Prd P(R) | 23263 | 20238 | 3025 |

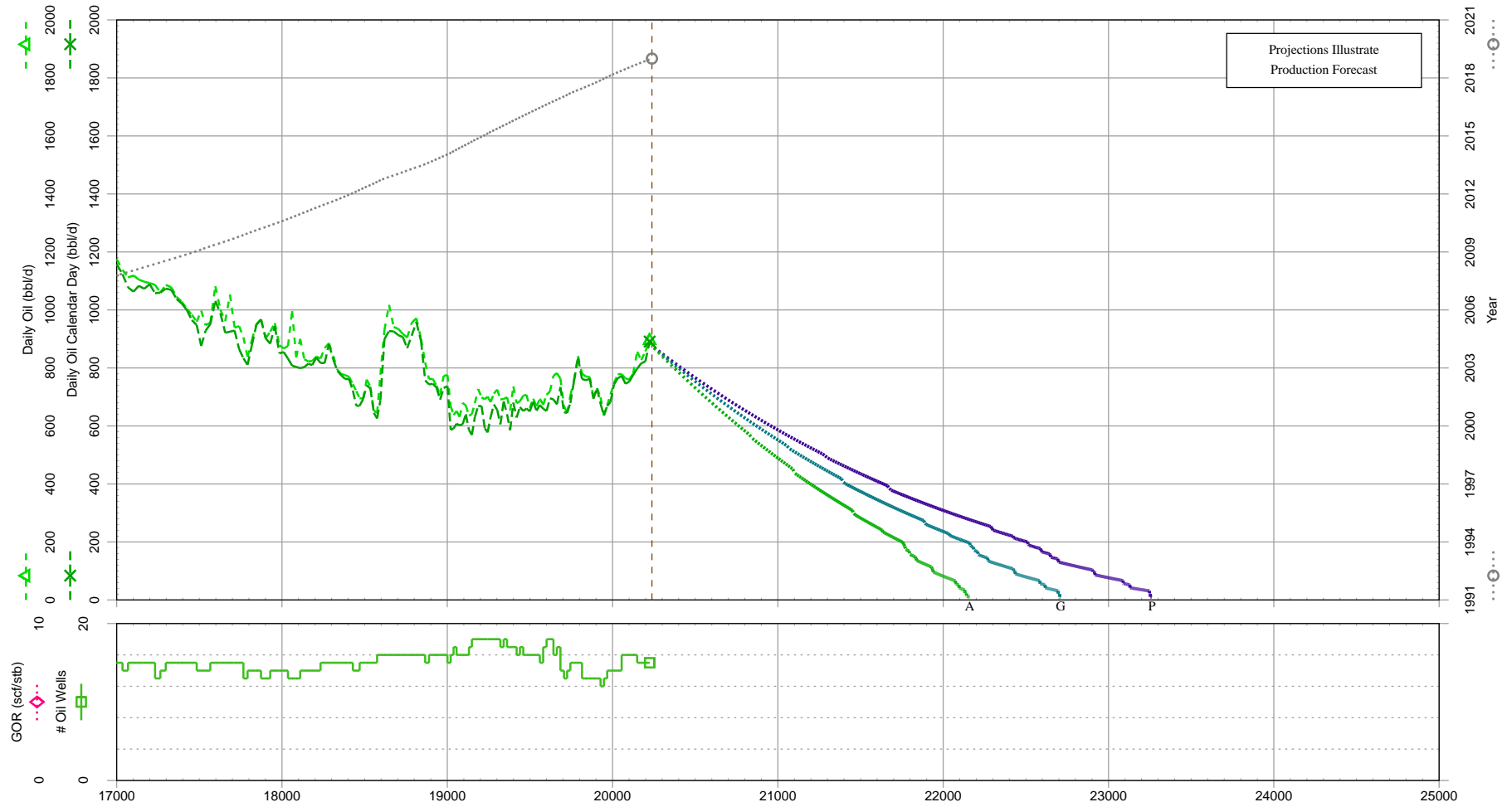
Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | | |
|------------------------------|-------------|-------------|---------|-------------|--------------|
| Gas | 0.0Mcf/d | 0.0Mcf/cd | WGR | 0.0bbl/MMcf | |
| Oil | 785.2bbl/d | 769.9bbl/cd | GOR | 0.0scf/stb | |
| Avg Wells | 14.5 | | WC | 96.2% | |
| Cumulative Production | | | | | |
| Oil | 20238.1 Mbb | Gas | 0.0MMcf | Water | 123143.9 Mbb |

Plot 2

Historical and Forecast Production Cendere - Total Property

Property : Cendere



Total Reserves Summary At 2019/01/01

| Reserves Classification | Reserves (Mbb) | | |
|-------------------------|-----------------|----------------|-----------|
| | Ultimate | Cum Production | Remaining |
| Pv Prd A(R) | 22161 | 20238 | 1923 |
| P + P Prd G(R) | 22712 | 20238 | 2474 |
| PPP Prd P(R) | 23263 | 20238 | 3025 |

Cumulative Oil (Mbb)

| | Average Production Rates (Last 12 months ending 2018/12/31) | | | | |
|------------------------------|---|-------------|----------|--------------|--------------|
| | Gas | Oil | WGR | GOR | |
| Gas | 0.0 Mcf/d | 0.0 Mcf/d | WGR | 0.0 bbl/MMcf | |
| Oil | 785.2 bbl/d | 769.9 bbl/d | GOR | 0.0 scf/stb | |
| Avg Wells | 14.5 | | WC | 96.2% | |
| Cumulative Production | | | | | |
| Oil | 20238.1 Mbb | Gas | 0.0 MMcf | Water | 123143.9 Mbb |

Plot 3

Table 1

Well List and Production Summary

| # | Well Location | Regulatory Field Pool | Current Status | RigRel yr-mm | Production Dates | | | Last Quarter Production Statistics | | | | | | Cumulative Production | | | |
|--------------|---------------|-----------------------|----------------|-----------------|------------------|---------------|--------------|------------------------------------|--------------|--------------|----------------|----------------|-----------------|-----------------------|---------------|-------------|----------------|
| | | | | | First yr-mm | Last yr-mm | Inj yr-mm | Prod Days | Oil bbl/d | Gas Mcf/d | Water bbl/d | GOR scf/stb | WGR bbl/MMcf | WC % | Oil Mbbl | Gas MMcf | Water Mbbl |
| 1 | CENDERE-01 | | | | 1990-01 | 2018-12 | | 90 | 56 | 0 | 111 | 0 | 0 | 66 | 4,072 | 0 | 1,144 |
| 2 | CENDERE-02 | | | | 1990-04 | 2017-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 726 | 0 | 5,634 |
| 3 | CENDERE-04 | | | | 1991-03 | 2017-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 3 |
| 4 | CENDERE-06 | | | | 1991-07 | 2017-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 751 | 0 | 823 |
| 5 | CENDERE-18 | | | | 1998-08 | 2018-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 0 | 821 |
| 6 | CENDERE-13 | | | | 1996-12 | 2018-12 | | 90 | 255 | 0 | 8,245 | 0 | 0 | 97 | 2,106 | 0 | 22,580 |
| 7 | CENDERE-03 | | | | 1990-10 | 2018-12 | | 90 | 74 | 0 | 3,620 | 0 | 0 | 98 | 1,674 | 0 | 26,887 |
| 8 | CENDERE-05A | | | | 1991-06 | 2018-12 | | 90 | 32 | 0 | 1,045 | 0 | 0 | 97 | 1,155 | 0 | 5,383 |
| 9 | CENDERE-07 | | | | 1992-05 | 2018-12 | | 90 | 13 | 0 | 205 | 0 | 0 | 94 | 1,328 | 0 | 11,167 |
| 10 | CENDERE-08 | | | | 1991-04 | 2017-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 321 | 0 | 534 |
| 11 | CENDERE-09 | | | | 1992-01 | 2018-12 | | 90 | 29 | 0 | 1,425 | 0 | 0 | 98 | 2,100 | 0 | 13,152 |
| 12 | CENDERE-10 | | | | 1991-09 | 2018-12 | | 90 | 77 | 0 | 39 | 0 | 0 | 34 | 1,357 | 0 | 307 |
| 13 | CENDERE-15 | | | | 1998-09 | 2018-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 561 | 0 | 782 |
| 14 | CENDERE-11 | | | | 1992-09 | 2018-12 | | 90 | 15 | 0 | 70 | 0 | 0 | 83 | 393 | 0 | 417 |
| 15 | CENDERE-12 | | | | 1995-02 | 2017-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 816 | 0 | 356 |
| 16 | CENDERE-14 | | | | 1997-07 | 2018-12 | | 90 | 14 | 0 | 2 | 0 | 0 | 9 | 387 | 0 | 7,959 |
| 17 | CENDERE-16 | | | | 1998-08 | 2018-12 | | 90 | 51 | 0 | 1,649 | 0 | 0 | 97 | 788 | 0 | 10,330 |
| 18 | CENDERE-17 | | | | 2001-04 | 2018-12 | | 90 | 41 | 0 | 2,031 | 0 | 0 | 98 | 385 | 0 | 4,837 |
| 19 | CENDERE-19 | | | | 2002-10 | 2018-12 | | 90 | 31 | 0 | 1,005 | 0 | 0 | 97 | 664 | 0 | 4,809 |
| 20 | CENDERE-22 | | | | 2009-05 | 2018-12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 0 | 1,260 |
| 21 | CENDERE-23 | | | | 2012-09 | 2018-12 | | 90 | 97 | 0 | 712 | 0 | 0 | 88 | 267 | 0 | 605 |
| 22 | CENDERE-24 | | | | 2014-03 | 2018-12 | | 90 | 44 | 0 | 1,438 | 0 | 0 | 97 | 85 | 0 | 2,371 |
| 23 | CENDERE-25 | | | | 2014-06 | 2018-12 | | 90 | 13 | 0 | 641 | 0 | 0 | 98 | 60 | 0 | 985 |
| Total | | | | | | | | 90 | 843 | 0 | 22,236 | 0 | 0 | 96 | 20,238 | 0 | 123,144 |

Table 2

Company: **Park Place Energy Inc.**
Property: **Cendere**

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

Gross Lease Reserves Summary

| Entity Description | Reserve Class | Methodology | Oil (Mbbbl) | | | Non-Associated Gas (MMcf) | | | | Other Gross Lease Reserves | | | |
|--|---------------|-------------|---------------------|-----------------------|---------------|---------------------------|-----------------------|----------|----------|----------------------------|------------|-----------|-------------|
| | | | Initial Recoverable | Cumulative Production | Reserves | Initial Recoverable | Cumulative Production | Raw Gas | Reserves | Sol'n Gas MMcf | Cond Mbbbl | LPG Mbbbl | Sulphur Mlt |
| Proved Producing | | | | | | | | | | | | | |
| CENDERE-01 | A | Dec | 4,250 | 4,072 | 136* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-03 | A | Dec | 1,900 | 1,674 | 167* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-05A | A | Dec | 1,180 | 1,155 | 25* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-07 | A | Dec | 1,352 | 1,328 | 24* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-09 | A | Dec | 2,185 | 2,100 | 75* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-10 | A | Dec | 1,550 | 1,358 | 157* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-11 | A | Dec | 435 | 393 | 38* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-13 | A | Dec | 2,625 | 2,106 | 431* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-14 | A | Dec | 420 | 387 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-16 | A | Dec | 1,025 | 788 | 143* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-17 | A | Dec | 460 | 385 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-19 | A | Dec | 730 | 664 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-22 | A | Dec | 121 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-23 | A | Dec | 390 | 267 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-24 | A | Dec | 175 | 86 | 89* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-25 | A | Dec | 67 | 60 | 6* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total: Proved Producing | | | 18,865 | 16,943 | 1,590* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Proved Plus Probable Producing | | | | | | | | | | | | | |
| CENDERE-01 | G | Dec | 4,300 | 4,072 | 171* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-03 | G | Dec | 2,000 | 1,674 | 221* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-05A | G | Dec | 1,190 | 1,155 | 35* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-07 | G | Dec | 1,360 | 1,328 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-09 | G | Dec | 2,215 | 2,100 | 97* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-10 | G | Dec | 1,600 | 1,358 | 195* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-11 | G | Dec | 450 | 393 | 49* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-13 | G | Dec | 2,750 | 2,106 | 523* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-14 | G | Dec | 435 | 387 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-16 | G | Dec | 1,075 | 788 | 176* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-17 | G | Dec | 475 | 385 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-19 | G | Dec | 750 | 664 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-22 | G | Dec | 121 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-23 | G | Dec | 425 | 267 | 158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-24 | G | Dec | 200 | 86 | 113* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-25 | G | Dec | 70 | 60 | 9* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total: Proved Plus Probable Producing | | | 19,416 | 16,943 | 2,005* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PPP Producing | | | | | | | | | | | | | |
| CENDERE-01 | P | Dec | 4,350 | 4,072 | 205* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-03 | P | Dec | 2,100 | 1,674 | 271* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-05A | P | Dec | 1,200 | 1,155 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-07 | P | Dec | 1,368 | 1,328 | 39* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-09 | P | Dec | 2,245 | 2,100 | 119* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-10 | P | Dec | 1,650 | 1,358 | 231* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-11 | P | Dec | 465 | 393 | 60* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1192041

Class (A.G.P), GLJ (2019-01), ult

February 13, 2019 12:09:44

Gross Lease Reserves Summary

| Entity Description | Reserve Class | Methodology | Oil (Mbbbl) | | | Non-Associated Gas (MMcf) | | | | Other Gross Lease Reserves | | | |
|------------------------------|---------------|-------------|---------------------|-----------------------|----------------|---------------------------|-----------------------|----------|----------|----------------------------|------------|-----------|-------------|
| | | | Initial Recoverable | Cumulative Production | Reserves | Initial Recoverable | Cumulative Production | Raw Gas | Reserves | Sol'n Gas MMcf | Cond Mbbbl | LPG Mbbbl | Sulphur Mlt |
| PPP Producing (Cont.) | | | | | | | | | | | | | |
| CENDERE-13 | P | Dec | 2,875 | 2,106 | 607 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-14 | P | Dec | 450 | 387 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-16 | P | Dec | 1,125 | 788 | 208 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-17 | P | Dec | 490 | 385 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-19 | P | Dec | 770 | 664 | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-22 | P | Dec | 121 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-23 | P | Dec | 460 | 267 | 192 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-24 | P | Dec | 225 | 86 | 136 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CENDERE-25 | P | Dec | 73 | 60 | 12 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total: PPP Producing | | | 19,967 | 16,943 | 2,400 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes

1. [*] Remaining reserves are less than the estimate due to economic limit.

Company: Park Place Energy Inc.
 Property: Cendere

Table 2.1

Effective Date: December 31, 2018

Oil Decline Parameters

| Resource Entity | Zone | Method | Res. Class | Decline Type | Analysis Date | Analysis Data | | | | Oil Cut | | | Fluid Rate | | Reserve Life yrs | Original Recoverable Reserve Mbbl | Cum Production @ Analysis Mbbl | Cum Production 2019-01-01 Mbbl | Remaining Reserves 2018-12-31 Mbbl | Notes |
|--|------|---------|------------|--------------|---------------|---------------------------|--------------------|------------------|------------------|---------------------------|----------------|--------------|--------------------|------------------|------------------|-----------------------------------|--------------------------------|--------------------------------|------------------------------------|-------|
| | | | | | | Initial Effective Decline | Initial Rate bbl/d | Final Rate bbl/d | Decline Exponent | Initial Effective Decline | Initial Rate % | Final Rate % | Initial Rate bbl/d | Final Rate bbl/d | | | | | | |
| Proved Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | | Decline | A | OR | 2019-01-01 | 11.17 | 58.0 | 10.0 | 0.30 | - | - | - | - | - | 19.2 | 4,250.0 | 4,072.4 | 4,072.4 | 177.6 | |
| CENDERE-03 | | Decline | A | OR | 2019-01-01 | 13.07 | 76.0 | 10.0 | 0.40 | - | - | - | - | - | 21.7 | 1,900.0 | 1,674.1 | 1,674.1 | 225.9 | |
| CENDERE-05A | | Decline | A | OR | 2019-01-01 | 25.09 | 29.5 | 10.0 | - | - | - | - | - | - | 3.7 | 1,180.0 | 1,155.4 | 1,155.4 | 24.6 | |
| CENDERE-07 | | Decline | A | OR | 2019-01-01 | 12.73 | 12.9 | 5.0 | 0.40 | - | - | - | - | - | 8.2 | 1,352.0 | 1,327.7 | 1,327.7 | 24.3 | |
| CENDERE-09 | | Decline | A | OR | 2019-01-01 | 9.43 | 29.5 | 10.0 | 0.40 | - | - | - | - | - | 13.4 | 2,185.0 | 2,100.2 | 2,100.2 | 84.8 | |
| CENDERE-10 | | Decline | A | OR | 2019-01-01 | 15.75 | 79.0 | 10.0 | 0.40 | - | - | - | - | - | 18.1 | 1,550.0 | 1,357.5 | 1,357.5 | 192.5 | |
| CENDERE-11 | | Decline | A | OR | 2019-01-01 | 9.19 | 14.9 | 5.0 | 0.30 | - | - | - | - | - | 13.2 | 435.0 | 392.5 | 392.5 | 42.5 | |
| CENDERE-13 | | Decline | A | OR | 2019-01-01 | 21.01 | 270.0 | 10.0 | 0.30 | - | - | - | - | - | 23.0 | 2,625.0 | 2,106.3 | 2,106.3 | 518.7 | |
| CENDERE-14 | | Decline | A | OR | 2019-01-01 | 11.10 | 20.0 | 10.0 | 0.30 | - | - | - | - | - | 6.4 | 420.0 | 386.5 | 386.5 | 33.5 | |
| CENDERE-16 | | Decline | A | OC | 2019-01-01 | - | 52.8 | 10.0 | 0.40 | 8.06 | 3.0 | 0.6 | 1,760.0 | 1,760.0 | 27.7 | 1,025.0 | 787.5 | 787.5 | 237.5 | |
| CENDERE-17 | | Decline | A | OR | 2019-01-01 | 14.94 | 37.5 | 10.0 | 0.40 | - | - | - | - | - | 10.4 | 460.0 | 385.3 | 385.3 | 74.7 | |
| CENDERE-19 | | Decline | A | OC | 2019-01-01 | - | 32.4 | 10.0 | 0.30 | 13.03 | 3.0 | 0.9 | 1,080.0 | 1,080.0 | 9.9 | 730.0 | 663.5 | 663.5 | 66.5 | |
| CENDERE-22 | | Decline | A | | 2019-01-01 | - | - | - | - | - | - | - | - | - | - | 121.2 | 121.2 | 121.2 | - | [1] |
| CENDERE-23 | | Decline | A | OC | 2019-01-01 | - | 103.8 | 10.0 | 0.40 | 30.25 | 11.8 | 1.1 | 880.0 | 880.0 | 10.0 | 390.0 | 267.0 | 267.0 | 123.0 | |
| CENDERE-24 | | Decline | A | OC | 2019-01-01 | - | 46.6 | 10.0 | 0.40 | 16.82 | 3.0 | 0.6 | 1,560.0 | 1,560.0 | 11.1 | 175.0 | 85.5 | 85.5 | 89.5 | |
| CENDERE-25 | | Decline | A | OR | 2019-01-01 | 37.87 | 13.5 | 5.0 | 0.40 | - | - | - | - | - | 2.3 | 67.0 | 60.0 | 60.0 | 7.0 | |
| Total: Proved Producing | | | | | | | 876.5 | | | | | | | | 18,865.2 | 16,942.5 | 16,942.5 | 1,922.7 | | |
| Proved Plus Probable Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | | Decline | G | OR | 2019-01-01 | 9.43 | 58.0 | 10.0 | 0.40 | - | - | - | - | - | 25.2 | 4,300.0 | 4,072.4 | 4,072.4 | 227.6 | |
| CENDERE-03 | | Decline | G | OR | 2019-01-01 | 10.02 | 76.0 | 10.0 | 0.50 | - | - | - | - | - | 32.4 | 2,000.0 | 1,674.1 | 1,674.1 | 325.9 | |
| CENDERE-05A | | Decline | G | OR | 2019-01-01 | 18.57 | 29.5 | 10.0 | - | - | - | - | - | - | 5.3 | 1,190.0 | 1,155.4 | 1,155.4 | 34.6 | |
| CENDERE-07 | | Decline | G | OR | 2019-01-01 | 10.15 | 12.9 | 5.0 | 0.50 | - | - | - | - | - | 11.0 | 1,360.0 | 1,327.7 | 1,327.7 | 32.3 | |
| CENDERE-09 | | Decline | G | OR | 2019-01-01 | 7.40 | 29.5 | 10.0 | 0.50 | - | - | - | - | - | 18.3 | 2,215.0 | 2,100.2 | 2,100.2 | 114.8 | |
| CENDERE-10 | | Decline | G | OR | 2019-01-01 | 13.72 | 79.0 | 10.0 | 0.50 | - | - | - | - | - | 23.6 | 1,600.0 | 1,357.5 | 1,357.5 | 242.5 | |
| CENDERE-11 | | Decline | G | OR | 2019-01-01 | 7.20 | 14.9 | 5.0 | 0.40 | - | - | - | - | - | 18.0 | 450.0 | 392.5 | 392.5 | 57.5 | |
| CENDERE-13 | | Decline | G | OR | 2019-01-01 | 19.00 | 270.0 | 10.0 | 0.40 | - | - | - | - | - | 31.1 | 2,750.0 | 2,106.3 | 2,106.3 | 643.7 | |
| CENDERE-14 | | Decline | G | OR | 2019-01-01 | 8.05 | 20.0 | 10.0 | 0.40 | - | - | - | - | - | 9.4 | 435.0 | 386.5 | 386.5 | 48.5 | |
| CENDERE-16 | | Decline | G | OC | 2019-01-01 | - | 52.8 | 10.0 | 0.50 | 7.16 | 3.0 | 0.6 | 1,760.0 | 1,760.0 | 34.3 | 1,075.0 | 787.5 | 787.5 | 287.5 | |
| CENDERE-17 | | Decline | G | OR | 2019-01-01 | 13.27 | 37.5 | 10.0 | 0.50 | - | - | - | - | - | 12.7 | 475.0 | 385.3 | 385.3 | 89.7 | |
| CENDERE-19 | | Decline | G | OC | 2019-01-01 | - | 32.4 | 10.0 | 0.40 | 10.67 | 3.0 | 0.9 | 1,080.0 | 1,080.0 | 13.0 | 750.0 | 663.5 | 663.5 | 86.5 | |
| CENDERE-22 | | Decline | G | | 2019-01-01 | - | - | - | - | - | - | - | - | - | - | 121.2 | 121.2 | 121.2 | - | [1] |
| CENDERE-23 | | Decline | G | OC | 2019-01-01 | - | 103.8 | 10.0 | 0.50 | 26.38 | 11.8 | 1.1 | 880.0 | 880.0 | 13.4 | 425.0 | 267.0 | 267.0 | 158.0 | |
| CENDERE-24 | | Decline | G | OC | 2019-01-01 | - | 46.6 | 10.0 | 0.50 | 14.24 | 3.0 | 0.6 | 1,560.0 | 1,560.0 | 14.5 | 200.0 | 85.5 | 85.5 | 114.5 | |
| CENDERE-25 | | Decline | G | OR | 2019-01-01 | 29.02 | 13.5 | 5.0 | 0.40 | - | - | - | - | - | 3.3 | 70.0 | 60.0 | 60.0 | 10.0 | |
| Total: Proved Plus Probable Producing | | | | | | | 876.5 | | | | | | | | 19,416.2 | 16,942.5 | 16,942.5 | 2,473.7 | | |
| PPP Producing | | | | | | | | | | | | | | | | | | | | |
| CENDERE-01 | | Decline | P | OR | 2019-01-01 | 8.36 | 58.0 | 10.0 | 0.50 | - | - | - | - | - | 31.6 | 4,350.0 | 4,072.4 | 4,072.4 | 277.6 | |
| CENDERE-03 | | Decline | P | OR | 2019-01-01 | 8.43 | 76.0 | 10.0 | 0.60 | - | - | - | - | - | 43.8 | 2,100.0 | 1,674.1 | 1,674.1 | 425.9 | |
| CENDERE-05A | | Decline | P | OR | 2019-01-01 | 14.74 | 29.5 | 10.0 | - | - | - | - | - | - | 6.8 | 1,200.0 | 1,155.4 | 1,155.4 | 44.6 | |
| CENDERE-07 | | Decline | P | OR | 2019-01-01 | 8.58 | 12.9 | 5.0 | 0.60 | - | - | - | - | - | 13.8 | 1,368.0 | 1,327.7 | 1,327.7 | 40.3 | |
| CENDERE-09 | | Decline | P | OR | 2019-01-01 | 6.21 | 29.5 | 10.0 | 0.60 | - | - | - | - | - | 23.3 | 2,245.0 | 2,100.2 | 2,100.2 | 144.8 | |
| CENDERE-10 | | Decline | P | OR | 2019-01-01 | 12.47 | 79.0 | 10.0 | 0.60 | - | - | - | - | - | 29.5 | 1,650.0 | 1,357.5 | 1,357.5 | 292.5 | |
| CENDERE-11 | | Decline | P | OR | 2019-01-01 | 6.03 | 14.9 | 5.0 | 0.50 | - | - | - | - | - | 23.0 | 465.0 | 392.5 | 392.5 | 72.5 | |
| CENDERE-13 | | Decline | P | OR | 2019-01-01 | 17.88 | 270.0 | 10.0 | 0.50 | - | - | - | - | - | 40.5 | 2,875.0 | 2,106.3 | 2,106.3 | 768.7 | |
| CENDERE-14 | | Decline | P | OR | 2019-01-01 | 6.41 | 20.0 | 10.0 | 0.50 | - | - | - | - | - | 12.3 | 450.0 | 386.5 | 386.5 | 63.5 | |

Oil Decline Parameters

| Resource Entity | Zone | Method | Res. Class | Decline Type | Analysis Date | Analysis Data | | | | Oil Cut | | | Fluid Rate | | Reserve Life yrs | Original Recoverable Reserve Mbbl | Cum Production @ Analysis Mbbl | Cum Production 2019-01-01 Mbbl | Remaining Reserves 2018-12-31 Mbbl | Notes |
|------------------------------|------|---------|------------|--------------|---------------|---------------------------|--------------------|------------------|------------------|---------------------------|----------------|--------------|--------------------|------------------|------------------|-----------------------------------|--------------------------------|--------------------------------|------------------------------------|-------|
| | | | | | | Initial Effective Decline | Initial Rate bbl/d | Final Rate bbl/d | Decline Exponent | Initial Effective Decline | Initial Rate % | Final Rate % | Initial Rate bbl/d | Final Rate bbl/d | | | | | | |
| PPP Producing (Cont.) | | | | | | | | | | | | | | | | | | | | |
| CENDERE-16 | | Decline | P | OC | 2019-01-01 | - | 52.8 | 10.0 | 0.60 | 6.57 | 3.0 | 0.6 | 1,760.0 | 1,760.0 | 41.1 | 1,125.0 | 787.5 | 787.5 | 337.5 | |
| CENDERE-17 | | Decline | P | OR | 2019-01-01 | 12.11 | 37.5 | 10.0 | 0.60 | - | - | - | - | - | 15.0 | 490.0 | 385.3 | 385.3 | 104.7 | |
| CENDERE-19 | | Decline | P | OC | 2019-01-01 | - | 32.4 | 10.0 | 0.50 | 9.19 | 3.0 | 0.9 | 1,080.0 | 1,080.0 | 16.2 | 770.0 | 663.5 | 663.5 | 106.5 | |
| CENDERE-22 | | Decline | P | | 2019-01-01 | - | - | - | - | - | - | - | - | - | - | 121.2 | 121.2 | 121.2 | - | [1] |
| CENDERE-23 | | Decline | P | OC | 2019-01-01 | - | 103.8 | 10.0 | 0.60 | 24.01 | 11.8 | 1.1 | 880.0 | 880.0 | 17.1 | 460.0 | 267.0 | 267.0 | 193.0 | |
| CENDERE-24 | | Decline | P | OC | 2019-01-01 | - | 46.6 | 10.0 | 0.60 | 12.60 | 3.0 | 0.6 | 1,560.0 | 1,560.0 | 18.0 | 225.0 | 85.5 | 85.5 | 139.5 | |
| CENDERE-25 | | Decline | P | OR | 2019-01-01 | 24.74 | 13.5 | 5.0 | 0.60 | - | - | - | - | - | 4.4 | 73.0 | 60.0 | 60.0 | 13.0 | |
| Total: PPP Producing | | | | | | | 876.5 | | | | | | | | | 19,967.2 | 16,942.5 | 16,942.5 | 3,024.7 | |

The reserves calculated above may not match the economic forecasts due to economic limit considerations.

Glossary

A: Proved Producing

G: Proved Plus Probable Producing

P: PPP Producing

Notes

1. 2019-Feb-11 No reserves assigned.

Table 3

Company: **Park Place Energy Inc.**
 Property: **Cendere**

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

Daily Production

| Entity Description | Reserve Class | Year | | | | | | | | | | | | Totals | | |
|---|---------------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|-------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Subtotal | Remainder | Total |
| Gross Lease Daily Oil Production (bbl/d) | | | | | | | | | | | | | | | | |
| Proved Producing | A | 793 | 657 | 546 | 464 | 395 | 347 | 299 | 262 | 229 | 205 | 161 | 0 | 1,590 | 0 | 1,590 |
| Proved Plus Probable Producing | G | 805 | 687 | 592 | 513 | 454 | 399 | 356 | 323 | 294 | 263 | 238 | 214 | 1,875 | 130 | 2,005 |
| PPP Producing | P | 812 | 705 | 617 | 549 | 488 | 442 | 400 | 359 | 331 | 307 | 285 | 266 | 2,029 | 371 | 2,400 |
| Company Daily Oil Production (bbl/d) | | | | | | | | | | | | | | | | |
| Proved Producing | A | 127 | 105 | 88 | 75 | 64 | 56 | 48 | 42 | 37 | 33 | 25 | 0 | 255 | 0 | 255 |
| Proved Plus Probable Producing | G | 129 | 110 | 96 | 83 | 74 | 65 | 58 | 53 | 48 | 43 | 39 | 35 | 304 | 21 | 324 |
| PPP Producing | P | 130 | 113 | 100 | 89 | 79 | 72 | 65 | 59 | 54 | 51 | 47 | 44 | 330 | 61 | 390 |

Company: **Park Place Energy Inc.**
 Property: **Cendere**

Table 4

Effective Date: **December 31, 2018**

Economic Parameters

A) Price Forecasts and By-Product Data (2019 Dollars)

| | |
|---------------|---------------|
| Scenario | GLJ (2019-01) |
| Oil Reference | [1] |

Notes

1. 96% of BRENTUS

B) Operating Costs (2019 Dollars)

| | |
|--------------------|---------------------|
| Oil Stream Costs | |
| Variable | 9.70 \$/bbl |
| Major Stream Costs | |
| Fixed | 2,000 M\$/yr |
| Fixed | 8,000 \$/well/month |

Notes

1. All variable costs are \$/product (sales).

C) Abandonment Costs (2019 Dollars)

| | |
|-------------|---------------|
| Abandonment | |
| Well Costs | 30.0 M\$/well |
| Reclamation | |
| Well Costs | 20.0 M\$/well |

D) Capital Costs (2019 Dollars)

No capital expenditures are forecast.

Company: **Park Place Energy Inc.**
 Property: **Cendere**
 Description: **\$US Dollars**

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Gross Oil Wells | Gross Daily bbl/d | Company | Company | Net Yearly Mbbl | Price \$/bbl |
|-------------|-----------------|-------------------|-------------|-------------|-----------------|--------------|
| | | | Daily bbl/d | Yearly Mbbl | | |
| 2019 | 15 | 793 | 127 | 46 | 41 | 60.72 |
| 2020 | 15 | 657 | 105 | 38 | 34 | 65.76 |
| 2021 | 14 | 546 | 88 | 32 | 28 | 68.40 |
| 2022 | 14 | 464 | 75 | 27 | 24 | 70.08 |
| 2023 | 13 | 395 | 64 | 23 | 20 | 72.48 |
| 2024 | 13 | 347 | 56 | 20 | 18 | 74.88 |
| 2025 | 13 | 299 | 48 | 18 | 15 | 77.28 |
| 2026 | 12 | 262 | 42 | 15 | 13 | 80.07 |
| 2027 | 11 | 229 | 37 | 13 | 12 | 81.62 |
| 2028 | 11 | 205 | 33 | 12 | 11 | 83.19 |
| 2029 | 9 | 161 | 25 | 9 | 8 | 84.86 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2031 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2032 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | | 255 | 223 | 70.98 |

REVENUE AND EXPENSE FORECAST

| Year | Revenue Before Burdens | | | | | | Royalty Burdens | | Gas Processing Allowance | | Total | Net | Operating Expenses | | |
|-------------|------------------------|----------|-------------|---------------|------------------|------------------|-----------------|-----------|--------------------------|-----------|------------------------|-----------------------|--------------------|--------------|--------------|
| | Working Interest | | | | Royalty Interest | Company Interest | Pre-Processing | | | | Royalty After Process. | Revenue After Royalty | Fixed | Variable | Total |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | M\$ | M\$ | M\$ | M\$ | M\$ |
| 2019 | 2,811 | 0 | 0 | 2,811 | 0 | 2,811 | 351 | 0 | 0 | 0 | 351 | 2,460 | 584 | 449 | 1,033 |
| 2020 | 2,529 | 0 | 0 | 2,529 | 0 | 2,529 | 316 | 0 | 0 | 0 | 316 | 2,213 | 596 | 380 | 976 |
| 2021 | 2,189 | 0 | 0 | 2,189 | 0 | 2,189 | 274 | 0 | 0 | 0 | 274 | 1,916 | 589 | 323 | 912 |
| 2022 | 1,911 | 0 | 0 | 1,911 | 0 | 1,911 | 239 | 0 | 0 | 0 | 239 | 1,672 | 596 | 281 | 877 |
| 2023 | 1,682 | 0 | 0 | 1,682 | 0 | 1,682 | 210 | 0 | 0 | 0 | 210 | 1,472 | 593 | 244 | 836 |
| 2024 | 1,530 | 0 | 0 | 1,530 | 0 | 1,530 | 191 | 0 | 0 | 0 | 191 | 1,338 | 606 | 219 | 825 |
| 2025 | 1,362 | 0 | 0 | 1,362 | 0 | 1,362 | 170 | 0 | 0 | 0 | 170 | 1,192 | 606 | 192 | 798 |
| 2026 | 1,233 | 0 | 0 | 1,233 | 0 | 1,233 | 154 | 0 | 0 | 0 | 154 | 1,079 | 608 | 172 | 780 |
| 2027 | 1,097 | 0 | 0 | 1,097 | 0 | 1,097 | 137 | 0 | 0 | 0 | 137 | 960 | 598 | 153 | 750 |
| 2028 | 1,001 | 0 | 0 | 1,001 | 0 | 1,001 | 125 | 0 | 0 | 0 | 125 | 876 | 607 | 139 | 747 |
| 2029 | 779 | 0 | 0 | 779 | 0 | 779 | 97 | 0 | 0 | 0 | 97 | 682 | 552 | 108 | 660 |
| 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 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tot. | 18,123 | 0 | 0 | 18,123 | 0 | 18,123 | 2,265 | 0 | 0 | 0 | 2,265 | 15,858 | 6,533 | 2,660 | 9,194 |
| Disc | 12,482 | 0 | 0 | 12,482 | 0 | 12,482 | 1,560 | 0 | 0 | 0 | 1,560 | 10,922 | 4,046 | 1,853 | 5,900 |

| Year | Aband. & Recl. Costs | | | | Oper. Income | | 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 | 1,427 | 0 | 0 | 1,427 | 0 | 0 | 0 | 0 | 1,427 | 1,427 | 1,361 |
| 2020 | 0 | 0 | 0 | 1,236 | 0 | 0 | 1,236 | 0 | 0 | 0 | 0 | 1,236 | 2,663 | 2,432 |
| 2021 | 0 | 0 | 0 | 1,004 | 0 | 0 | 1,004 | 0 | 0 | 0 | 0 | 1,004 | 3,667 | 3,224 |
| 2022 | 0 | 0 | 0 | 795 | 0 | 0 | 795 | 0 | 0 | 0 | 0 | 795 | 4,463 | 3,793 |
| 2023 | 0 | 0 | 0 | 635 | 0 | 0 | 635 | 0 | 0 | 0 | 0 | 635 | 5,098 | 4,207 |
| 2024 | 0 | 0 | 0 | 514 | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 514 | 5,612 | 4,511 |
| 2025 | 0 | 0 | 0 | 394 | 0 | 11 | 382 | 0 | 0 | 0 | 0 | 382 | 5,994 | 4,717 |
| 2026 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 0 | 0 | 0 | 0 | 299 | 6,293 | 4,863 |
| 2027 | 0 | 0 | 0 | 209 | 0 | 11 | 198 | 0 | 0 | 0 | 0 | 198 | 6,491 | 4,951 |
| 2028 | 0 | 0 | 0 | 129 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 129 | 6,620 | 5,003 |
| 2029 | 0 | 0 | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 22 | 6,641 | 5,011 |
| 2030 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,629 | 5,007 |
| 2031 | 0 | 0 | 0 | 0 | 0 | 12 | -12 | 0 | 0 | 0 | 0 | -12 | 6,617 | 5,003 |
| 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,617 | 5,003 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 26 | -26 | 0 | 0 | 0 | 0 | -26 | 6,591 | 4,997 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 106 | -106 | 0 | 0 | 0 | 0 | -106 | 6,485 | 4,973 |
| Tot. | 0 | 0 | 0 | 6,664 | 0 | 179 | 6,485 | 0 | 0 | 0 | 0 | 6,485 | 6,485 | 4,973 |
| Disc | 0 | 0 | 0 | 5,022 | 0 | 49 | 4,973 | 0 | 0 | 0 | 0 | 4,973 | 4,973 | 4,973 |

SUMMARY OF RESERVES

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | |
|----------------|-------|------------------------------------|------------------|------------------|---------------|-----|-----------------|--------------|------------|--------------------------|------------|-----------|
| | | Gross | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Life Index | Half Life |
| Light/Med Oil | Mbbl | 1,590 | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |
| Total: Oil Eq. | Mboe | 1,590 | 255 | 0 | 255 | 223 | 1.000 | 255 | 100 | 11.0 | 5.5 | 3.4 |

PRODUCT REVENUE AND EXPENSES

| Product | Units | Average First Year Unit Values | | | | | Net Revenue After Royalties | | | | |
|----------------|-------|--------------------------------|-------------|--------------------|----------------|----------------|-----------------------------|------------|--------------|------------|-----|
| | | Wellhead Price | Net Burdens | Operating Expenses | Other Expenses | Prod'n Revenue | Undisc M\$ | % of Total | 10% Disc M\$ | % of Total | |
| Light/Med Oil | | \$/bbl | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |
| Total: Oil Eq. | | \$/boe | 60.72 | 7.59 | 22.30 | 0.00 | 30.83 | 15,858 | 100 | 10,922 | 100 |

INTEREST AND NET PRESENT VALUE SUMMARY

| | Net Present Value Before Income Tax | | | | | | | Cash Flow | |
|-------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|-------|-----------|--------|
| | Revenue Interests and Burdens (%) | | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | | M\$ | \$/boe |
| | Initial | Average | | | | | | | |
| Working Interest | 16.0041 | 16.0607 | 0 | 6,664 | 6,485 | 0.0 | 6,485 | 25.40 | |
| Capital Interest | 16.0041 | 16.0607 | 5 | 5,730 | 5,638 | 0.0 | 5,638 | 22.08 | |
| Royalty Interest | 0.0000 | 0.0000 | 8 | 5,283 | 5,220 | 0.0 | 5,220 | 20.45 | |
| Crown Royalty | 12.5000 | 12.5000 | 10 | 5,022 | 4,973 | 0.0 | 4,973 | 19.48 | |
| Non-crown Royalty | 0.0000 | 0.0000 | 12 | 4,786 | 4,747 | 0.0 | 4,747 | 18.59 | |
| Mineral Tax | 0.0000 | 0.0000 | 15 | 4,472 | 4,444 | 0.0 | 4,444 | 17.41 | |
| | | | 20 | 4,035 | 4,018 | 0.0 | 4,018 | 15.74 | |

Evaluator: Noynay, John
Run Date: February 13, 2019 12:09:16

Company: **Park Place Energy Inc.**
 Property: **Cendere**
 Description: **\$US Dollars**

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Gross Oil Wells | Gross Daily bbl/d | Company | Company | Net Yearly Mbbl | Price \$/bbl |
|-------------|-----------------|-------------------|-------------|-------------|-----------------|--------------|
| | | | Daily bbl/d | Yearly Mbbl | | |
| 2019 | 15 | 805 | 129 | 47 | 41 | 60.72 |
| 2020 | 15 | 687 | 110 | 40 | 35 | 65.76 |
| 2021 | 15 | 592 | 96 | 35 | 31 | 68.40 |
| 2022 | 14 | 513 | 83 | 30 | 27 | 70.08 |
| 2023 | 14 | 454 | 74 | 27 | 24 | 72.48 |
| 2024 | 14 | 399 | 65 | 24 | 21 | 74.88 |
| 2025 | 13 | 356 | 58 | 21 | 18 | 77.28 |
| 2026 | 13 | 323 | 53 | 19 | 17 | 80.07 |
| 2027 | 13 | 294 | 48 | 18 | 15 | 81.62 |
| 2028 | 13 | 263 | 43 | 16 | 14 | 83.19 |
| 2029 | 12 | 238 | 39 | 14 | 12 | 84.86 |
| 2030 | 11 | 214 | 35 | 13 | 11 | 86.55 |
| 2031 | 11 | 195 | 32 | 12 | 10 | 88.29 |
| 2032 | 10 | 160 | 25 | 9 | 8 | 90.05 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2035 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | | 324 | 284 | 73.38 |

REVENUE AND EXPENSE FORECAST

| Year | Revenue Before Burdens | | | | | | Royalty Burdens | | Gas Processing Allowance | | Total Royalty After Process. MS | Net Revenue After Royalty MS | Operating Expenses | | |
|-------------|------------------------|----------|-------------|---------------|------------------|------------------|-----------------|-----------|--------------------------|-----------|---------------------------------|------------------------------|--------------------|--------------|---------------|
| | Working Interest | | | | Royalty Interest | Company Interest | Pre-Processing | | | | | | Fixed MS | Variable MS | Total MS |
| | Oil M\$ | Gas M\$ | NGL+Sul M\$ | Total M\$ | Total M\$ | Total M\$ | Crown M\$ | Other M\$ | Crown M\$ | Other M\$ | MS | MS | MS | MS | MS |
| 2019 | 2,857 | 0 | 0 | 2,857 | 0 | 2,857 | 357 | 0 | 0 | 0 | 357 | 2,500 | 584 | 456 | 1,040 |
| 2020 | 2,651 | 0 | 0 | 2,651 | 0 | 2,651 | 331 | 0 | 0 | 0 | 331 | 2,319 | 597 | 399 | 996 |
| 2021 | 2,386 | 0 | 0 | 2,386 | 0 | 2,386 | 298 | 0 | 0 | 0 | 298 | 2,087 | 610 | 352 | 962 |
| 2022 | 2,123 | 0 | 0 | 2,123 | 0 | 2,123 | 265 | 0 | 0 | 0 | 265 | 1,857 | 603 | 312 | 915 |
| 2023 | 1,950 | 0 | 0 | 1,950 | 0 | 1,950 | 244 | 0 | 0 | 0 | 244 | 1,706 | 616 | 282 | 899 |
| 2024 | 1,771 | 0 | 0 | 1,771 | 0 | 1,771 | 221 | 0 | 0 | 0 | 221 | 1,549 | 613 | 253 | 866 |
| 2025 | 1,633 | 0 | 0 | 1,633 | 0 | 1,633 | 204 | 0 | 0 | 0 | 204 | 1,429 | 621 | 231 | 851 |
| 2026 | 1,538 | 0 | 0 | 1,538 | 0 | 1,538 | 192 | 0 | 0 | 0 | 192 | 1,346 | 634 | 214 | 848 |
| 2027 | 1,432 | 0 | 0 | 1,432 | 0 | 1,432 | 179 | 0 | 0 | 0 | 179 | 1,253 | 648 | 199 | 847 |
| 2028 | 1,305 | 0 | 0 | 1,305 | 0 | 1,305 | 163 | 0 | 0 | 0 | 163 | 1,142 | 645 | 182 | 827 |
| 2029 | 1,202 | 0 | 0 | 1,202 | 0 | 1,202 | 150 | 0 | 0 | 0 | 150 | 1,052 | 650 | 167 | 818 |
| 2030 | 1,102 | 0 | 0 | 1,102 | 0 | 1,102 | 138 | 0 | 0 | 0 | 138 | 965 | 639 | 154 | 792 |
| 2031 | 1,022 | 0 | 0 | 1,022 | 0 | 1,022 | 128 | 0 | 0 | 0 | 128 | 895 | 643 | 142 | 786 |
| 2032 | 831 | 0 | 0 | 831 | 0 | 831 | 104 | 0 | 0 | 0 | 104 | 727 | 590 | 116 | 706 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| Tot. | 23,802 | 0 | 0 | 23,802 | 0 | 23,802 | 2,975 | 0 | 0 | 0 | 2,975 | 20,826 | 8,693 | 3,460 | 12,153 |
| Disc | 14,886 | 0 | 0 | 14,886 | 0 | 14,886 | 1,861 | 0 | 0 | 0 | 1,861 | 13,025 | 4,755 | 2,195 | 6,950 |

| 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 | 1,460 | 0 | 0 | 1,460 | 0 | 0 | 0 | 0 | 1,460 | 1,460 | 1,392 |
| 2020 | 0 | 0 | 0 | 1,324 | 0 | 0 | 1,324 | 0 | 0 | 0 | 0 | 1,324 | 2,783 | 2,539 |
| 2021 | 0 | 0 | 0 | 1,125 | 0 | 0 | 1,125 | 0 | 0 | 0 | 0 | 1,125 | 3,909 | 3,426 |
| 2022 | 0 | 0 | 0 | 943 | 0 | 0 | 943 | 0 | 0 | 0 | 0 | 943 | 4,852 | 4,101 |
| 2023 | 0 | 0 | 0 | 807 | 0 | 0 | 807 | 0 | 0 | 0 | 0 | 807 | 5,659 | 4,627 |
| 2024 | 0 | 0 | 0 | 683 | 0 | 0 | 683 | 0 | 0 | 0 | 0 | 683 | 6,342 | 5,031 |
| 2025 | 0 | 0 | 0 | 578 | 0 | 0 | 578 | 0 | 0 | 0 | 0 | 578 | 6,919 | 5,342 |
| 2026 | 0 | 0 | 0 | 498 | 0 | 11 | 486 | 0 | 0 | 0 | 0 | 486 | 7,406 | 5,580 |
| 2027 | 0 | 0 | 0 | 406 | 0 | 0 | 406 | 0 | 0 | 0 | 0 | 406 | 7,811 | 5,761 |
| 2028 | 0 | 0 | 0 | 315 | 0 | 0 | 315 | 0 | 0 | 0 | 0 | 315 | 8,126 | 5,888 |
| 2029 | 0 | 0 | 0 | 234 | 0 | 12 | 222 | 0 | 0 | 0 | 0 | 222 | 8,348 | 5,969 |
| 2030 | 0 | 0 | 0 | 172 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 172 | 8,520 | 6,027 |
| 2031 | 0 | 0 | 0 | 109 | 0 | 0 | 109 | 0 | 0 | 0 | 0 | 109 | 8,629 | 6,060 |
| 2032 | 0 | 0 | 0 | 21 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 8,650 | 6,066 |
| 2033 | 0 | 0 | 0 | 0 | 0 | 13 | -13 | 0 | 0 | 0 | 0 | -13 | 8,637 | 6,063 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 13 | -13 | 0 | 0 | 0 | 0 | -13 | 8,624 | 6,060 |
| 2035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,624 | 6,060 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 14 | -14 | 0 | 0 | 0 | 0 | -14 | 8,610 | 6,057 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 126 | -126 | 0 | 0 | 0 | 0 | -126 | 8,484 | 6,035 |
| Tot. | 0 | 0 | 0 | 8,673 | 0 | 189 | 8,484 | 0 | 0 | 0 | 0 | 8,484 | 8,484 | 6,035 |
| Disc | 0 | 0 | 0 | 6,076 | 0 | 40 | 6,035 | 0 | 0 | 0 | 0 | 6,035 | 6,035 | 6,035 |

SUMMARY OF RESERVES

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | | |
|----------------|-------|------------------------------------|------------------|------------------|---------------|-----------------|----------------|--------------|--------------------------|--------------|------------|-----------|
| | | Gross | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Life Index | Half Life |
| Light/Med Oil | Mbbl | 2,005 | 324 | 0 | 324 | 284 | 1,000 | 324 | 100 | 14.0 | 6.9 | 4.4 |
| Total: Oil Eq. | Mboe | 2,005 | 324 | 0 | 324 | 284 | 1,000 | 324 | 100 | 14.0 | 6.9 | 4.4 |

PRODUCT REVENUE AND EXPENSES

| Product | Units | Average First Year Unit Values | | | | Net Revenue After Royalties | | | | | |
|----------------|--------|--------------------------------|-------------|--------------------|----------------|-----------------------------|------------|------------|--------------|------------|--|
| | | Wellhead Price | Net Burdens | Operating Expenses | Other Expenses | Prod'n Revenue | Undisc M\$ | % of Total | 10% Disc M\$ | % of Total | |
| Light/Med Oil | \$/bbl | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |
| Total: Oil Eq. | \$/boe | 60.72 | 7.59 | 22.11 | 0.00 | 31.02 | 20,826 | 100 | 13,025 | 100 | |

INTEREST AND NET PRESENT VALUE SUMMARY

| Revenue Interests and Burdens (%) | Net Present Value Before Income Tax | | | | | | | Cash Flow | |
|-----------------------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|-------|-----------|--|
| | Initial | Average | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | M\$ | \$/boe | |
| | | | | | | | | | |
| Working Interest | 16.0199 | 16.1888 | 0 | 8,673 | 8,484 | 0.0 | 8,484 | 26.16 | |
| Capital Interest | 16.0199 | 16.1888 | 5 | 7,156 | 7,072 | 0.0 | 7,072 | 21.80 | |
| Royalty Interest | 0.0000 | 0.0000 | 8 | 6,467 | 6,413 | 0.0 | 6,413 | 19.77 | |
| Crown Royalty | 12.5000 | 12.5000 | 10 | 6,076 | 6,035 | 0.0 | 6,035 | 18.61 | |
| Non-crown Royalty | 0.0000 | 0.0000 | 12 | 5,729 | 5,698 | 0.0 | 5,698 | 17.57 | |
| Mineral Tax | 0.0000 | 0.0000 | 15 | 5,278 | 5,258 | 0.0 | 5,258 | 16.21 | |
| | | | 20 | 4,671 | 4,659 | 0.0 | 4,659 | 14.37 | |

Evaluator: Noynay, John
Run Date: February 13, 2019 12:09:17

Company: **Park Place Energy Inc.**
 Property: **Cendere**
 Description: **\$US Dollars**

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

Economic Forecast

PRODUCTION FORECAST

Light & Medium Oil Production

| Year | Gross Oil Wells | Gross Daily bbl/d | Company Daily bbl/d | Company Yearly Mbbbl | Net Yearly Mbbbl | Price \$/bbl |
|-------------|-----------------|-------------------|---------------------|----------------------|------------------|--------------|
| 2019 | 15 | 812 | 130 | 47 | 42 | 60.72 |
| 2020 | 15 | 705 | 113 | 41 | 36 | 65.76 |
| 2021 | 15 | 617 | 100 | 36 | 32 | 68.40 |
| 2022 | 15 | 549 | 89 | 33 | 28 | 70.08 |
| 2023 | 14 | 488 | 79 | 29 | 25 | 72.48 |
| 2024 | 14 | 442 | 72 | 26 | 23 | 74.88 |
| 2025 | 14 | 400 | 65 | 24 | 21 | 77.28 |
| 2026 | 13 | 359 | 59 | 21 | 19 | 80.07 |
| 2027 | 13 | 331 | 54 | 20 | 17 | 81.62 |
| 2028 | 13 | 307 | 51 | 18 | 16 | 83.19 |
| 2029 | 13 | 285 | 47 | 17 | 15 | 84.86 |
| 2030 | 13 | 266 | 44 | 16 | 14 | 86.55 |
| 2031 | 13 | 242 | 40 | 15 | 13 | 88.29 |
| 2032 | 11 | 219 | 36 | 13 | 11 | 90.05 |
| 2033 | 11 | 205 | 34 | 12 | 11 | 91.85 |
| 2034 | 11 | 184 | 30 | 11 | 10 | 93.69 |
| 2035 | 10 | 166 | 27 | 10 | 9 | 95.56 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2038 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2039 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Tot. | | | | 390 | 342 | 75.67 |

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 | Company Interest | Pre-Processing | | | | 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 | 2,883 | 0 | 0 | 2,883 | 0 | 2,883 | 360 | 0 | 0 | 0 | 360 | 2,523 | 584 | 461 | 1,045 | |
| 2020 | 2,724 | 0 | 0 | 2,724 | 0 | 2,724 | 341 | 0 | 0 | 0 | 341 | 2,384 | 597 | 410 | 1,007 | |
| 2021 | 2,494 | 0 | 0 | 2,494 | 0 | 2,494 | 312 | 0 | 0 | 0 | 312 | 2,182 | 611 | 368 | 979 | |
| 2022 | 2,281 | 0 | 0 | 2,281 | 0 | 2,281 | 285 | 0 | 0 | 0 | 285 | 1,996 | 624 | 335 | 959 | |
| 2023 | 2,099 | 0 | 0 | 2,099 | 0 | 2,099 | 262 | 0 | 0 | 0 | 262 | 1,837 | 617 | 304 | 921 | |
| 2024 | 1,974 | 0 | 0 | 1,974 | 0 | 1,974 | 247 | 0 | 0 | 0 | 247 | 1,728 | 631 | 282 | 913 | |
| 2025 | 1,844 | 0 | 0 | 1,844 | 0 | 1,844 | 231 | 0 | 0 | 0 | 231 | 1,614 | 639 | 261 | 900 | |
| 2026 | 1,715 | 0 | 0 | 1,715 | 0 | 1,715 | 214 | 0 | 0 | 0 | 214 | 1,501 | 635 | 239 | 874 | |
| 2027 | 1,616 | 0 | 0 | 1,616 | 0 | 1,616 | 202 | 0 | 0 | 0 | 202 | 1,414 | 649 | 225 | 874 | |
| 2028 | 1,534 | 0 | 0 | 1,534 | 0 | 1,534 | 192 | 0 | 0 | 0 | 192 | 1,342 | 663 | 214 | 876 | |
| 2029 | 1,453 | 0 | 0 | 1,453 | 0 | 1,453 | 182 | 0 | 0 | 0 | 182 | 1,272 | 677 | 203 | 879 | |
| 2030 | 1,386 | 0 | 0 | 1,386 | 0 | 1,386 | 173 | 0 | 0 | 0 | 173 | 1,212 | 691 | 193 | 884 | |
| 2031 | 1,281 | 0 | 0 | 1,281 | 0 | 1,281 | 160 | 0 | 0 | 0 | 160 | 1,121 | 687 | 178 | 865 | |
| 2032 | 1,180 | 0 | 0 | 1,180 | 0 | 1,180 | 147 | 0 | 0 | 0 | 147 | 1,032 | 667 | 164 | 831 | |
| 2033 | 1,129 | 0 | 0 | 1,129 | 0 | 1,129 | 141 | 0 | 0 | 0 | 141 | 988 | 681 | 157 | 838 | |
| 2034 | 1,023 | 0 | 0 | 1,023 | 0 | 1,023 | 128 | 0 | 0 | 0 | 128 | 895 | 666 | 143 | 809 | |
| 2035 | 931 | 0 | 0 | 931 | 0 | 931 | 116 | 0 | 0 | 0 | 116 | 815 | 654 | 130 | 784 | |
| 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 | |
| 2040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Tot. | 29,548 | 0 | 0 | 29,548 | 0 | 29,548 | 3,694 | 0 | 0 | 0 | 3,694 | 25,855 | 10,973 | 4,266 | 15,239 | |
| Disc | 16,839 | 0 | 0 | 16,839 | 0 | 16,839 | 2,105 | 0 | 0 | 0 | 2,105 | 14,734 | 5,321 | 2,471 | 7,792 | |

| 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 | 1,478 | 0 | 0 | 1,478 | 0 | 0 | 0 | 0 | 1,478 | 1,478 | 1,409 |
| 2020 | 0 | 0 | 0 | 1,376 | 0 | 0 | 1,376 | 0 | 0 | 0 | 0 | 1,376 | 2,855 | 2,603 |
| 2021 | 0 | 0 | 0 | 1,204 | 0 | 0 | 1,204 | 0 | 0 | 0 | 0 | 1,204 | 4,058 | 3,551 |
| 2022 | 0 | 0 | 0 | 1,036 | 0 | 0 | 1,036 | 0 | 0 | 0 | 0 | 1,036 | 5,095 | 4,294 |
| 2023 | 0 | 0 | 0 | 916 | 0 | 0 | 916 | 0 | 0 | 0 | 0 | 916 | 6,011 | 4,890 |
| 2024 | 0 | 0 | 0 | 814 | 0 | 0 | 814 | 0 | 0 | 0 | 0 | 814 | 6,825 | 5,372 |
| 2025 | 0 | 0 | 0 | 714 | 0 | 0 | 714 | 0 | 0 | 0 | 0 | 714 | 7,539 | 5,756 |
| 2026 | 0 | 0 | 0 | 627 | 0 | 0 | 627 | 0 | 0 | 0 | 0 | 627 | 8,166 | 6,063 |
| 2027 | 0 | 0 | 0 | 541 | 0 | 11 | 529 | 0 | 0 | 0 | 0 | 529 | 8,695 | 6,298 |
| 2028 | 0 | 0 | 0 | 465 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 465 | 9,160 | 6,486 |
| 2029 | 0 | 0 | 0 | 392 | 0 | 0 | 392 | 0 | 0 | 0 | 0 | 392 | 9,552 | 6,631 |
| 2030 | 0 | 0 | 0 | 328 | 0 | 12 | 316 | 0 | 0 | 0 | 0 | 316 | 9,868 | 6,736 |
| 2031 | 0 | 0 | 0 | 256 | 0 | 0 | 256 | 0 | 0 | 0 | 0 | 256 | 10,124 | 6,814 |
| 2032 | 0 | 0 | 0 | 201 | 0 | 0 | 201 | 0 | 0 | 0 | 0 | 201 | 10,325 | 6,869 |
| 2033 | 0 | 0 | 0 | 150 | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 150 | 10,474 | 6,907 |
| 2034 | 0 | 0 | 0 | 87 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 87 | 10,561 | 6,927 |
| 2035 | 0 | 0 | 0 | 31 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 | 10,592 | 6,933 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 27 | -27 | 0 | 0 | 0 | 0 | -27 | 10,564 | 6,928 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,564 | 6,928 |
| 2038 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,564 | 6,928 |
| 2039 | 0 | 0 | 0 | 0 | 0 | 15 | -15 | 0 | 0 | 0 | 0 | -15 | 10,550 | 6,926 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 134 | -134 | 0 | 0 | 0 | 0 | -134 | 10,416 | 6,909 |
| Tot. | 0 | 0 | 0 | 10,615 | 0 | 199 | 10,416 | 0 | 0 | 0 | 0 | 10,416 | 10,416 | 6,909 |
| Disc | 0 | 0 | 0 | 6,942 | 0 | 34 | 6,909 | 0 | 0 | 0 | 0 | 6,909 | 6,909 | 6,909 |

SUMMARY OF RESERVES

| Product | Units | Remaining Reserves at Jan 01, 2019 | | | | Oil Equivalents | | | Reserve Life Indic. (yr) | | | |
|----------------|-------|------------------------------------|------------------|------------------|---------------|-----------------|----------------|--------------|--------------------------|--------------|------------|-----------|
| | | Gross | Working Interest | Roy/NPI Interest | Total Company | Net | Oil Eq. Factor | Company Mboe | % of Total | Reserve Life | Life Index | Half Life |
| Light/Med Oil | Mbbl | 2,400 | 390 | 0 | 390 | 342 | 1,000 | 390 | 100 | 17.0 | 8.2 | 5.3 |
| Total: Oil Eq. | Mboe | 2,400 | 390 | 0 | 390 | 342 | 1,000 | 390 | 100 | 17.0 | 8.2 | 5.3 |

PRODUCT REVENUE AND EXPENSES

| Product | Units | Average First Year Unit Values | | | | Net Revenue After Royalties | | | | | |
|----------------|--------|--------------------------------|-------------|--------------------|----------------|-----------------------------|------------|------------|--------------|------------|--|
| | | Wellhead Price | Net Burdens | Operating Expenses | Other Expenses | Prod'n Revenue | Undisc M\$ | % of Total | 10% Disc M\$ | % of Total | |
| Light/Med Oil | \$/bbl | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 | |
| Total: Oil Eq. | \$/boe | 60.72 | 7.59 | 22.00 | 0.00 | 31.13 | 25,855 | 100 | 14,734 | 100 | |

INTEREST AND NET PRESENT VALUE SUMMARY

| Revenue Interests and Burdens (%) | Net Present Value Before Income Tax | | | | | | | |
|-----------------------------------|-------------------------------------|---------|--------------|--------------------|----------------------|---------------------|--------|--------|
| | Revenue Interests and Burdens (%) | | | | Cash Flow | | | |
| | Initial | Average | Disc. Rate % | Prod'n Revenue M\$ | Operating Income M\$ | Capital Invest. M\$ | M\$ | \$/boe |
| Working Interest | 16.0294 | 16.2843 | 0 | 10,615 | 10,416 | 0.0 | 10,416 | 26.68 |
| Capital Interest | 16.0294 | 16.2843 | 5 | 8,417 | 8,338 | 0.0 | 8,338 | 21.35 |
| Royalty Interest | 0.0000 | 0.0000 | 8 | 7,467 | 7,421 | 0.0 | 7,421 | 19.00 |
| Crown Royalty | 12.5000 | 12.5000 | 10 | 6,942 | 6,909 | 0.0 | 6,909 | 17.69 |
| Non-crown Royalty | 0.0000 | 0.0000 | 12 | 6,486 | 6,461 | 0.0 | 6,461 | 16.55 |
| Mineral Tax | 0.0000 | 0.0000 | 15 | 5,904 | 5,888 | 0.0 | 5,888 | 15.08 |
| | | | 20 | 5,143 | 5,135 | 0.0 | 5,135 | 13.15 |

Evaluator: Noynay, John
Run Date: February 13, 2019 12:09:17

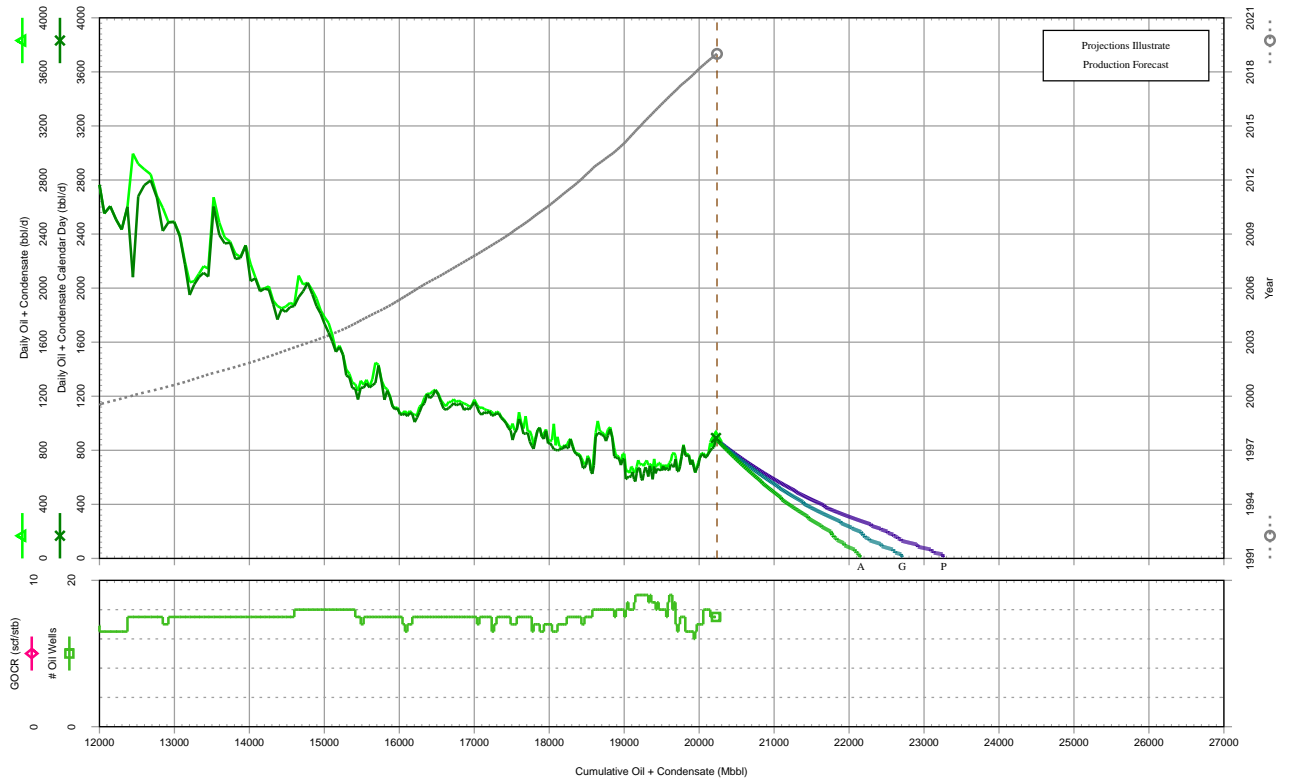
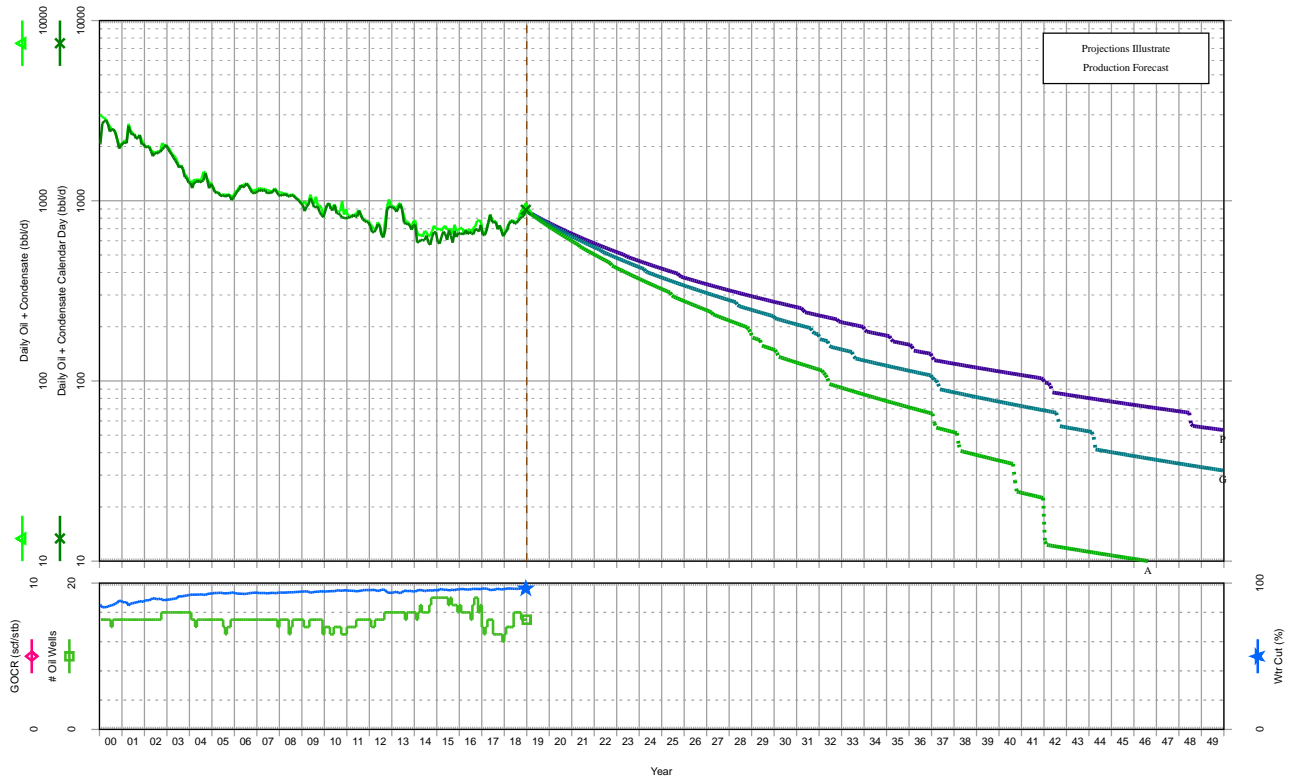
APPENDIX

RESERVES ESTIMATION - SUPPORTING INFORMATION

| | Page |
|---|------|
| OIL | |
| Cendere - Oil Time Semilog/Oil Cum Coord Plot | 26 |
| CENDERE-01 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 27 |
| CENDERE-03 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 28 |
| CENDERE-05A - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 29 |
| CENDERE-07 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 30 |
| CENDERE-09 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 31 |
| CENDERE-10 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 32 |
| CENDERE-11 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 33 |
| CENDERE-13 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 34 |
| CENDERE-14 - Oil Time Semilog/Oil Cum Coord Plot | 35 |
| CENDERE-16 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 36 |
| CENDERE-17 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 37 |
| CENDERE-19 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 38 |
| CENDERE-22 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 39 |
| CENDERE-23 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 40 |
| CENDERE-24 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 41 |
| CENDERE-25 - Oil+Fluids Time Semilog/Oil+Fluids Cum Coord Plot | 42 |

Historical and Forecast Production Cendere

Property : Cendere



Reserves Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Reserves Method(s) |
|-------------------------|--------------------|---------|--------|--------------------|
| | Ultimate | Cum Prd | Remain | |
| Pv Prd — A(R) | 22161 | 20238 | 1923 | |
| P + P Prd — G(R) | 22712 | 20238 | 2474 | |
| PPP Prd — P(R) | 23263 | 20238 | 3025 | |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|-----------|-----------|------------|-----|------------|
| Gas | 0.0Mcf/d | 0.0Mcf/cd | WGR | 0.0bb/MMcf |
| Oil | 785.2bb/d | 769.9bb/cd | GOR | 0.0scf/stb |
| Avg Wells | 14.5 | | WC | 96.2% |

Cumulative Production

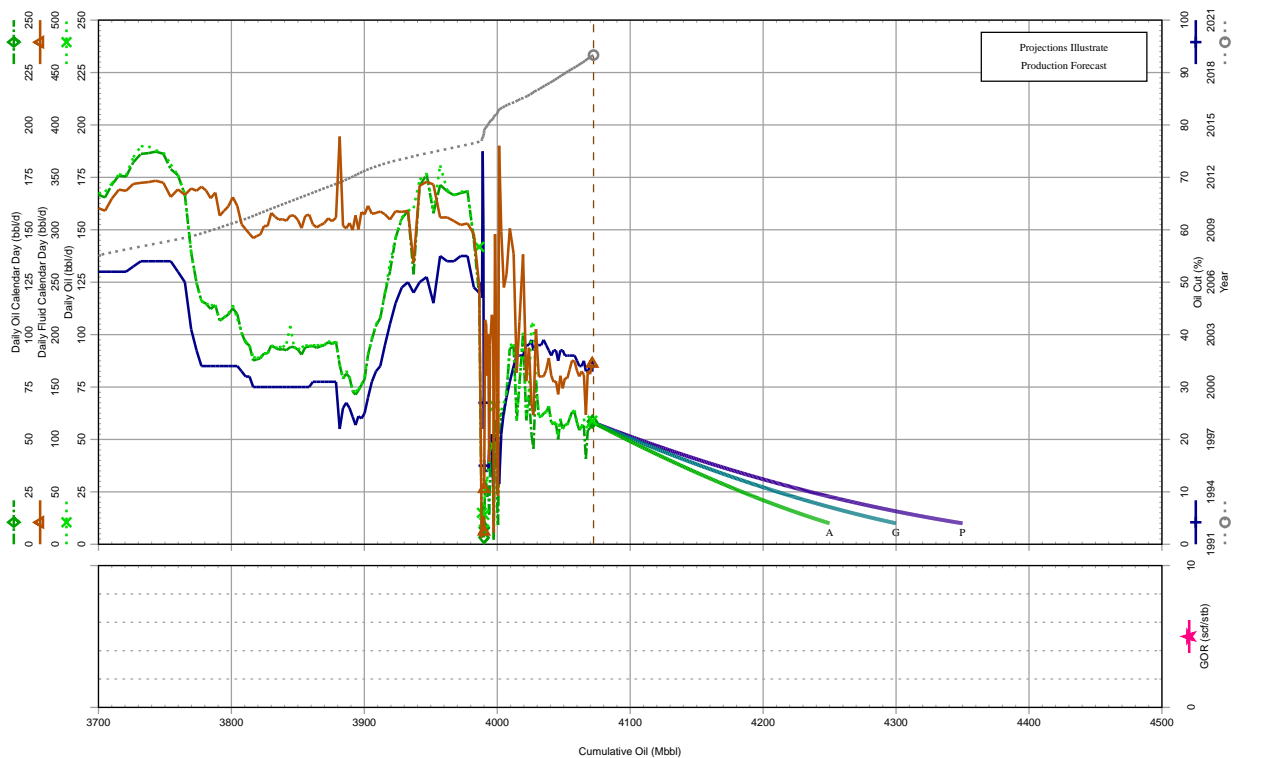
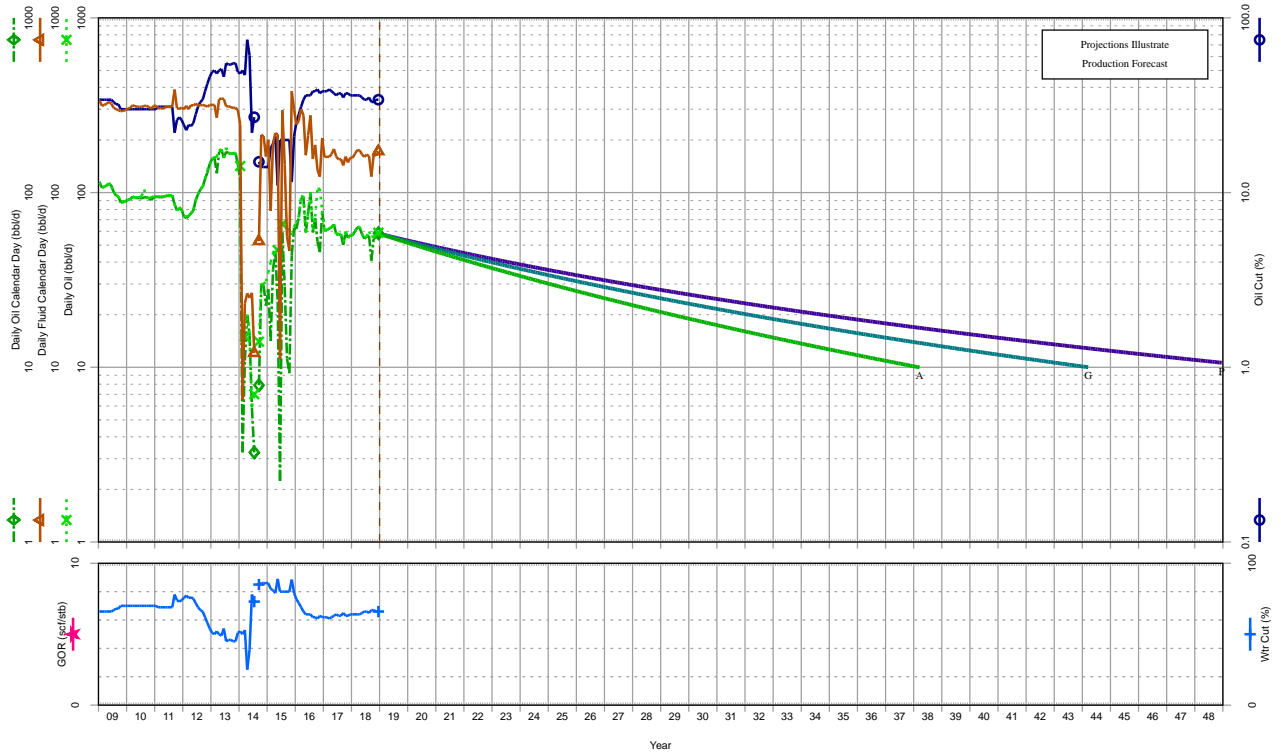
| | | | | | |
|-----|--------------|-----|---------|-------|--------------|
| Oil | 2023...Mbbbl | Gas | 0.0MMcf | Water | 1231...Mbbbl |
|-----|--------------|-----|---------|-------|--------------|

Cendere
1192041 / Feb 12, 2019

Historical and Forecast Production CENDERE-01

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|-------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 4250 | 4072 | 178 | 58 | 10 | 11.2 | 0.30 |
| P + P Prd - G | 4300 | 4072 | 228 | 58 | 10 | 9.4 | 0.40 |
| PPP Prd - P | 4350 | 4072 | 278 | 58 | 10 | 8.4 | 0.50 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 58.5 bbl/d | 56.4 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 351.9 days | | WC | 65.3 % |

Cumulative Production

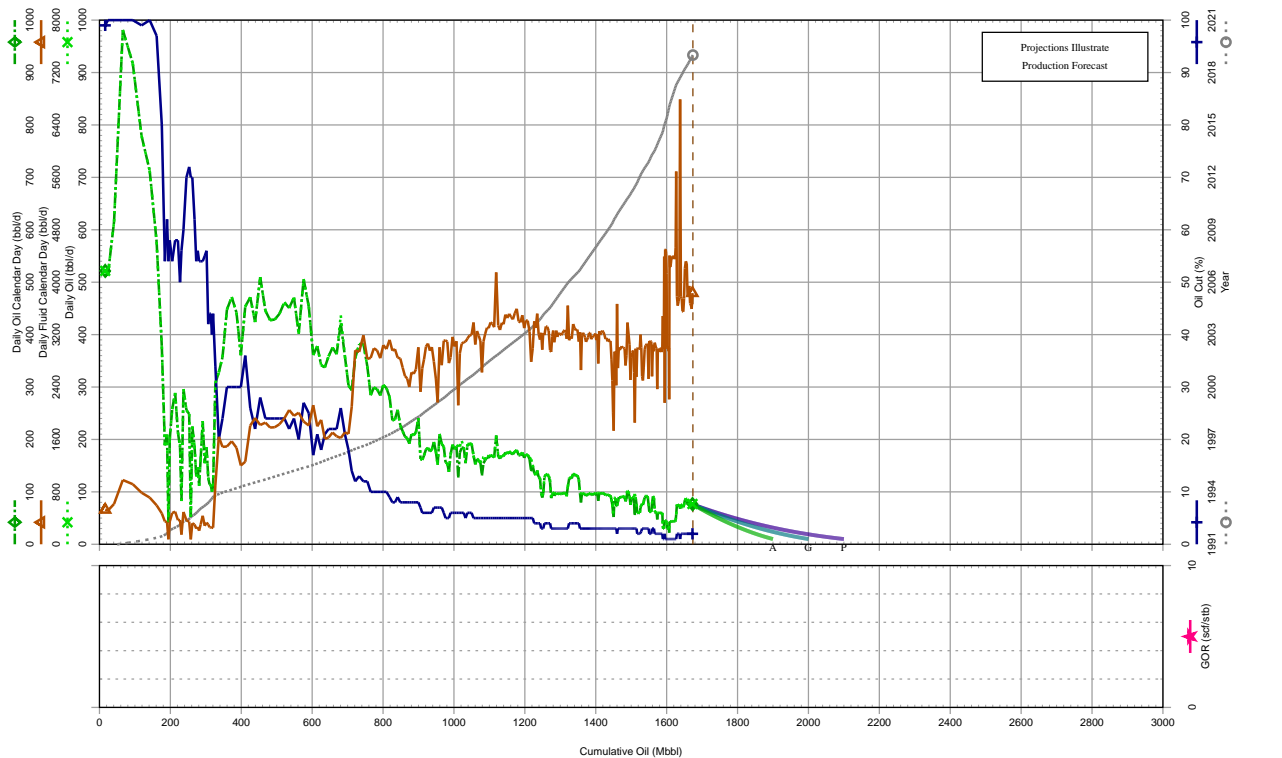
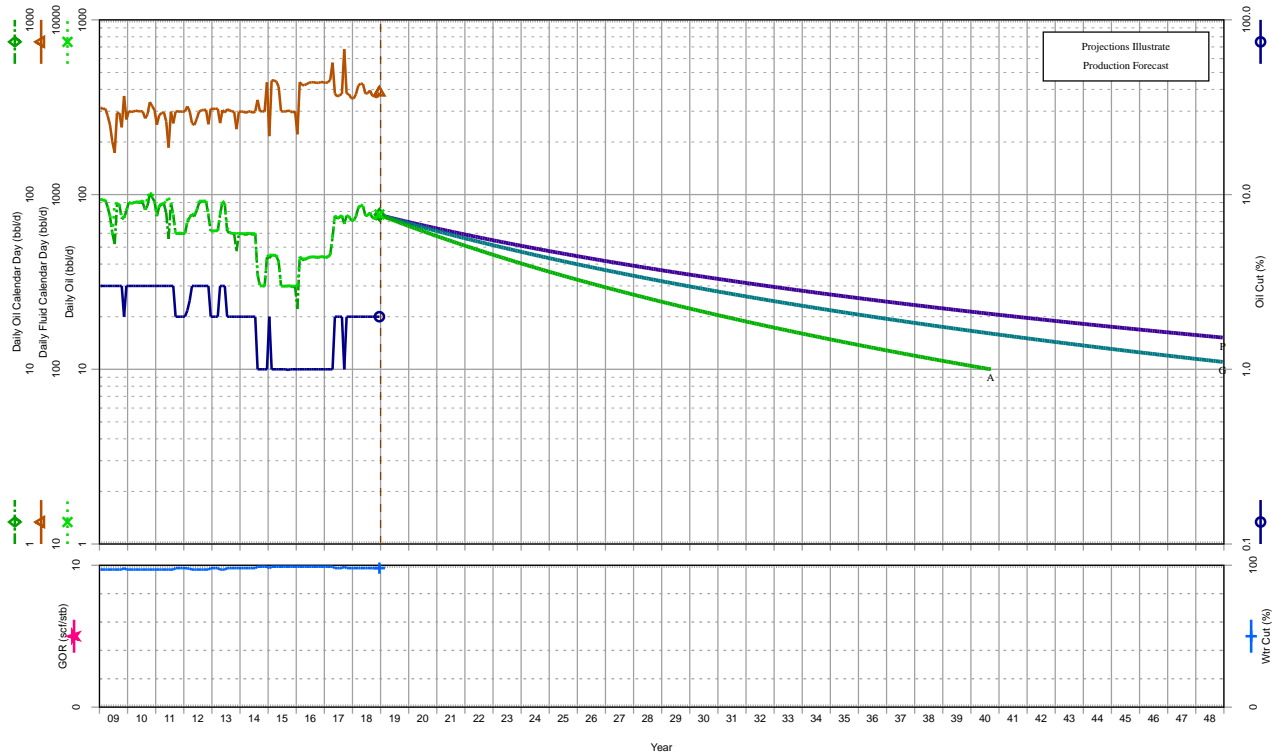
| | | | | | |
|-----|-------------|-----|----------|-------|-------------|
| Oil | 4072.4 Mbbl | Gas | 0.0 MMcf | Water | 1143.5 Mbbl |
|-----|-------------|-----|----------|-------|-------------|

CENDERE-01
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-03

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 1900 | 1674 | 226 | 76 | 10 | 13.1 | 0.40 |
| P + P Prd - G | 2000 | 1674 | 326 | 76 | 10 | 10.0 | 0.50 |
| PPP Prd - P | 2100 | 1674 | 426 | 76 | 10 | 8.4 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 77.9 bbl/d | 77.4 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.5 days | | WC | 98.0 % |

Cumulative Production

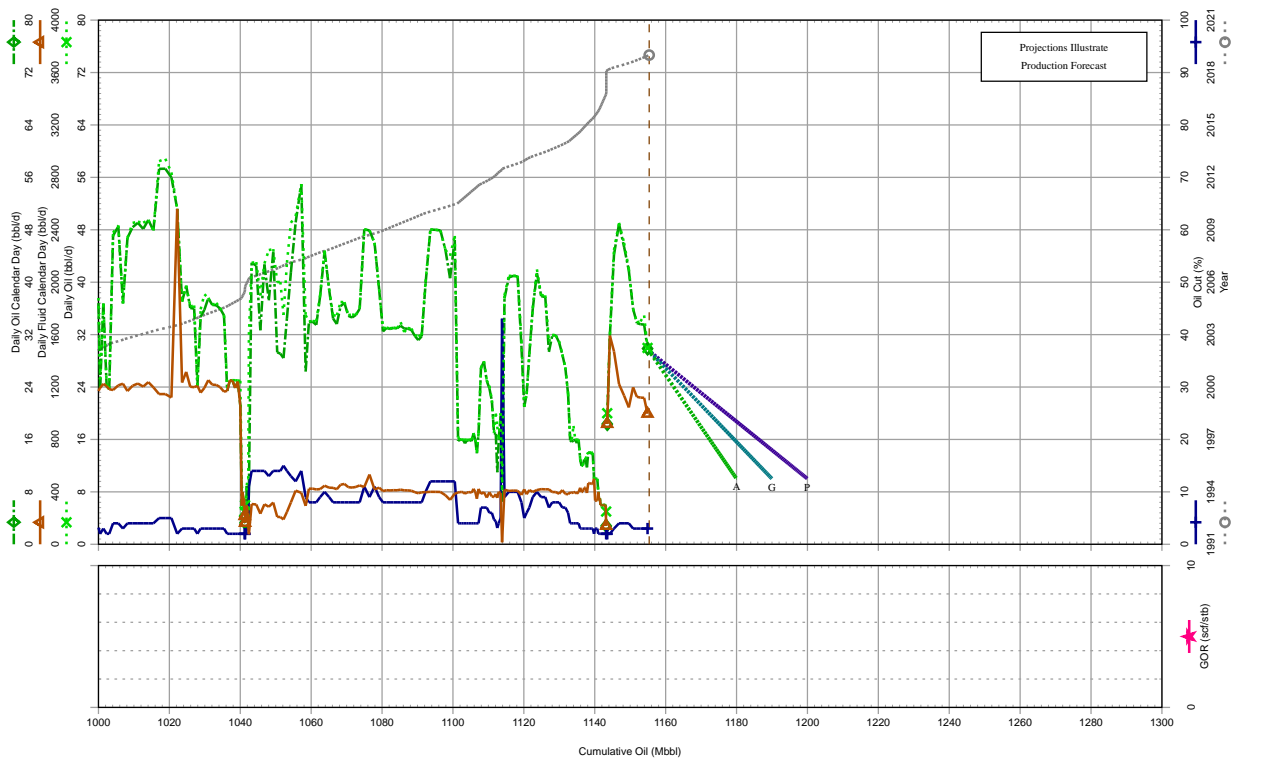
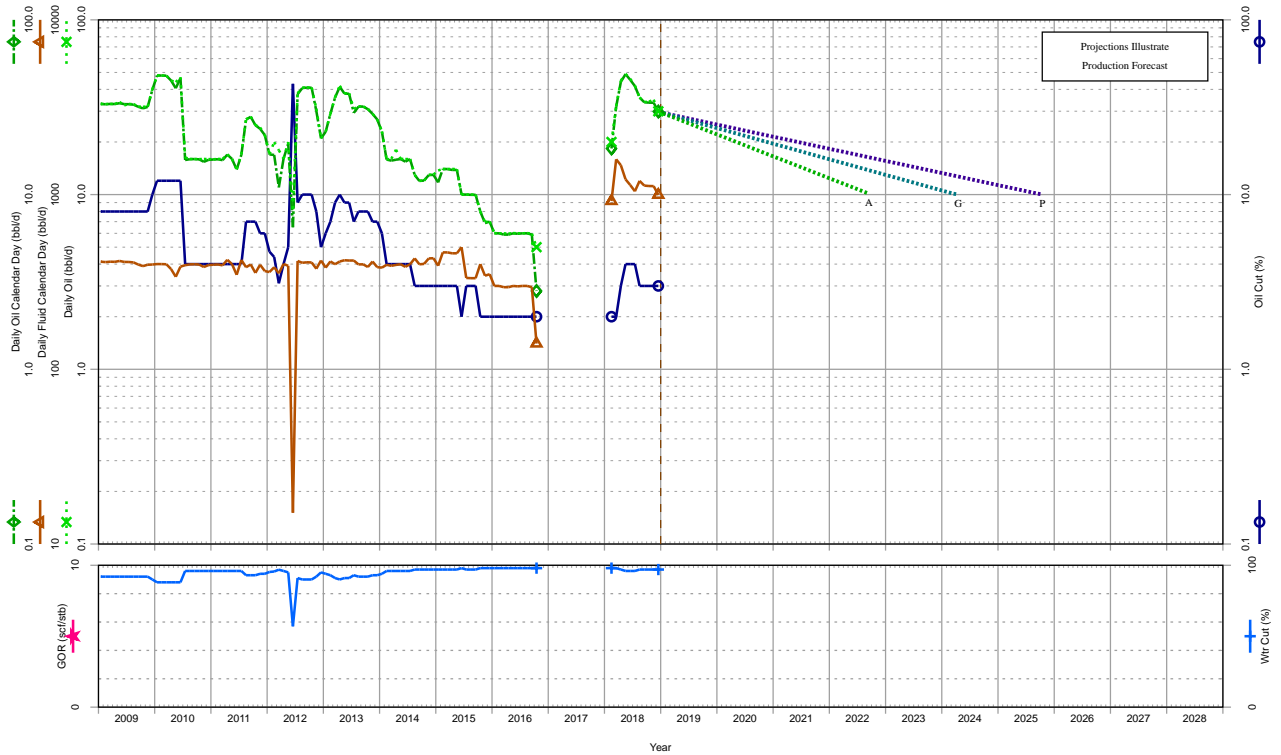
| | | | | | |
|-----|--------------|-----|----------|-------|---------------|
| Oil | 1674.1 Mbbbl | Gas | 0.0 MMcf | Water | 2688... Mbbbl |
|-----|--------------|-----|----------|-------|---------------|

CENDERE-03
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-05A

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|-------------------|---------|--------|-----------------|-------|---------|------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expt |
| Pv Prd - A | 1180 | 1155 | 25 | 30 | 10 | 25.1 | 0.00 |
| P + P Prd - G | 1190 | 1155 | 35 | 30 | 10 | 18.6 | 0.00 |
| PPP Prd - P | 1200 | 1155 | 45 | 30 | 10 | 14.7 | 0.00 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 36.6 bbl/d | 33.1 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 328.5 days | | WC | 96.9 % |

Cumulative Production

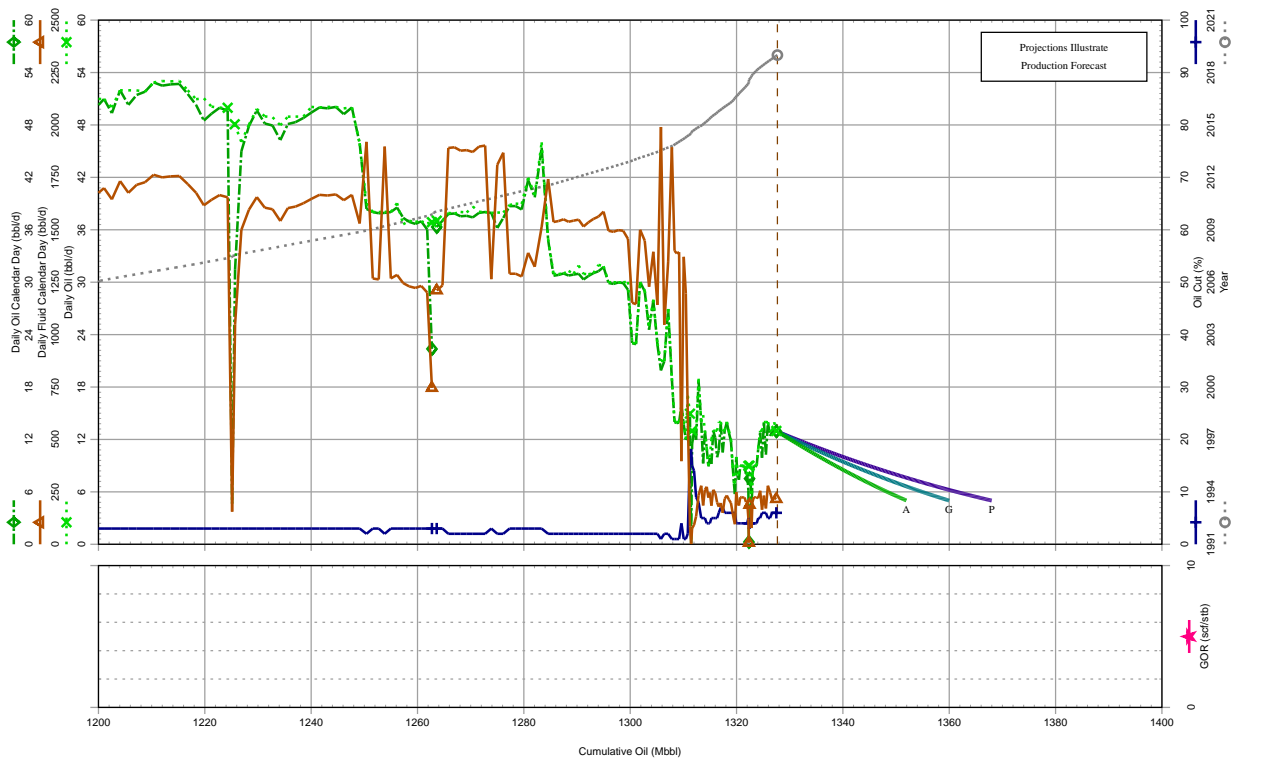
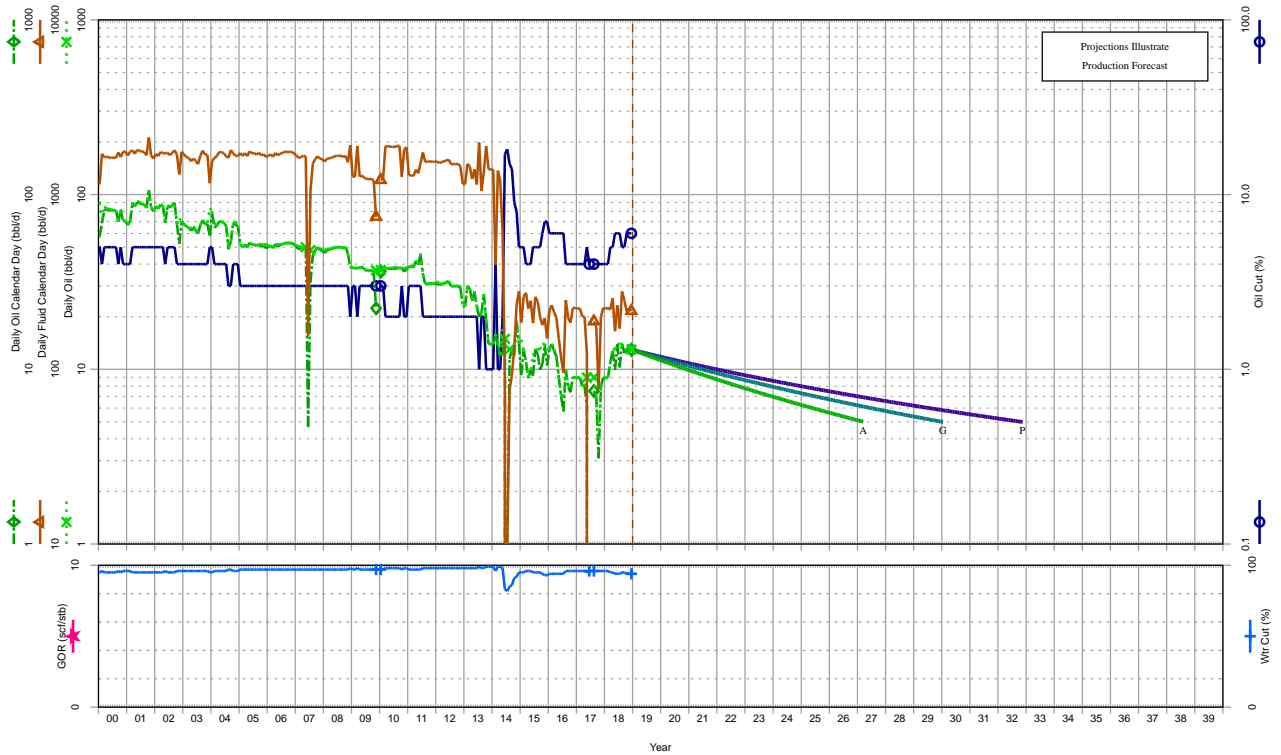
| | | | | | |
|-----|-------------|-----|----------|-------|-------------|
| Oil | 1155.4 Mbbl | Gas | 0.0 MMcf | Water | 5383.0 Mbbl |
|-----|-------------|-----|----------|-------|-------------|

CENDERE-05A
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-07

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|-------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 1352 | 1328 | 24 | 13 | 5 | 12.7 | 0.40 |
| P + P Prd - G | 1360 | 1328 | 32 | 13 | 5 | 10.2 | 0.50 |
| PPP Prd - P | 1368 | 1328 | 40 | 13 | 5 | 8.6 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 12.5 bbl/d | 11.8 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 345.2 days | | WC | 94.7 % |

Cumulative Production

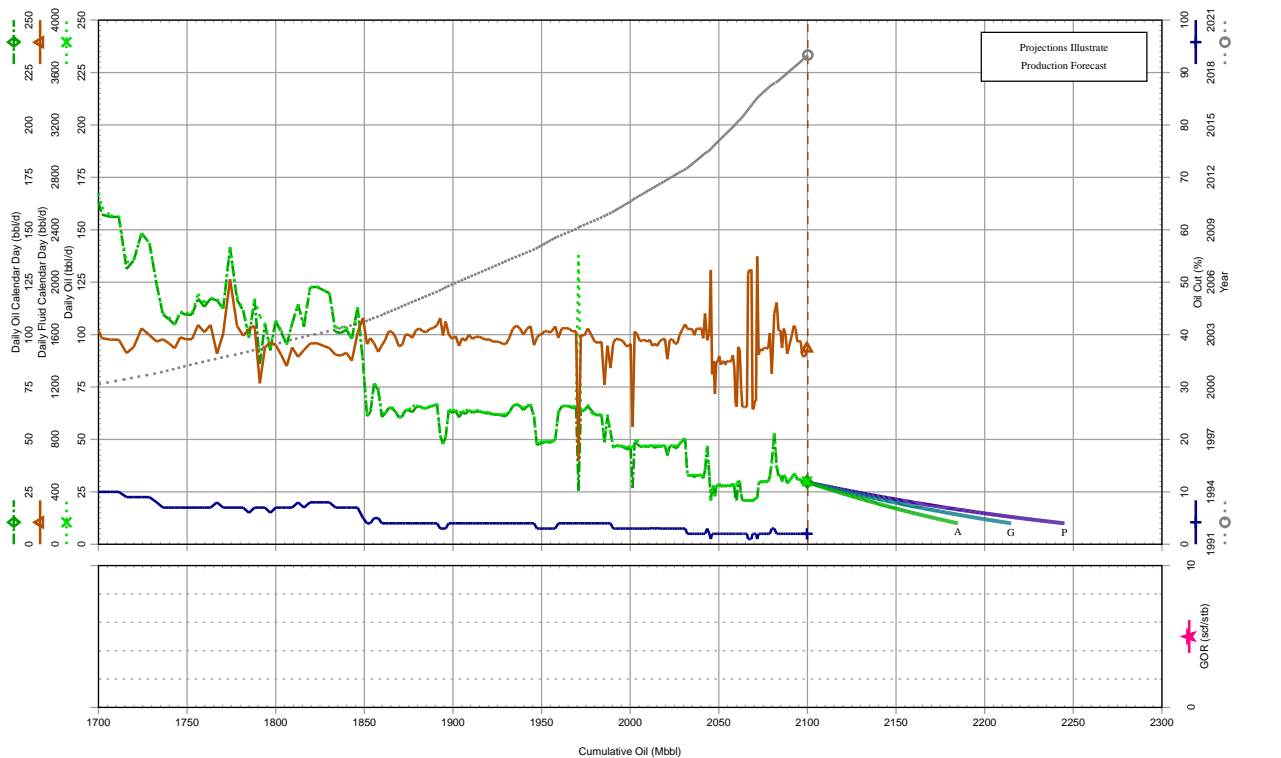
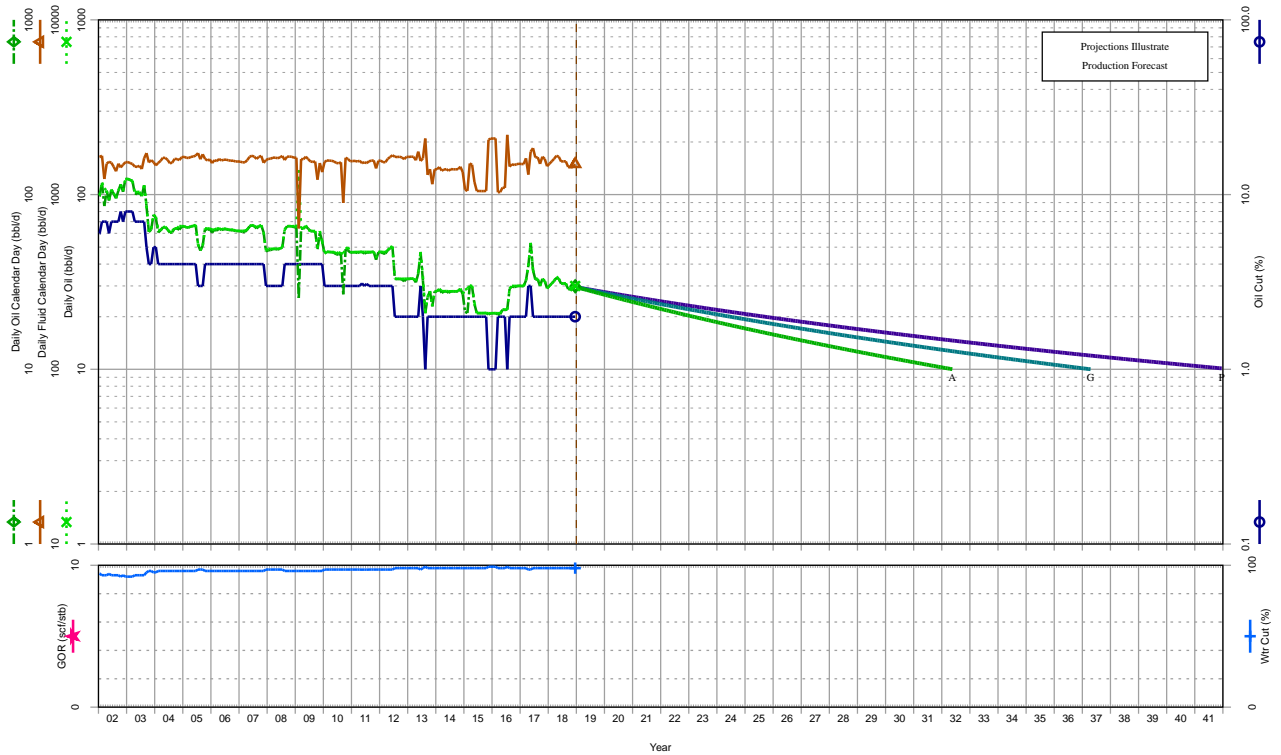
| | | | | | |
|-----|-------------|-----|----------|-------|--------------|
| Oil | 1327.7 Mbbl | Gas | 0.0 MMcf | Water | 1116... Mbbl |
|-----|-------------|-----|----------|-------|--------------|

CENDERE-07
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-09

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 2185 | 2100 | 85 | 30 | 10 | 9.4 | 0.40 |
| P + P Prd - G | 2215 | 2100 | 115 | 30 | 10 | 7.4 | 0.50 |
| PPP Prd - P | 2245 | 2100 | 145 | 30 | 10 | 6.2 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 30.9 bbl/d | 30.7 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.5 days | | WC | 98.0 % |

Cumulative Production

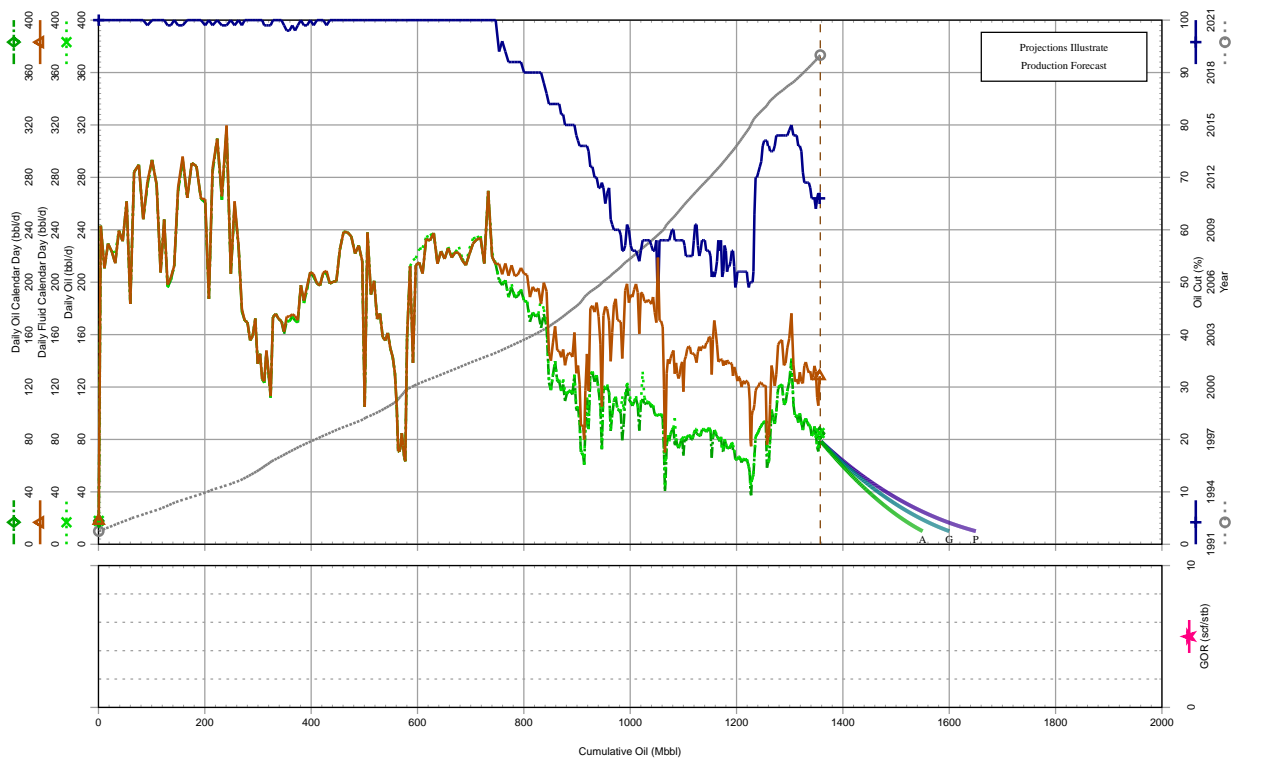
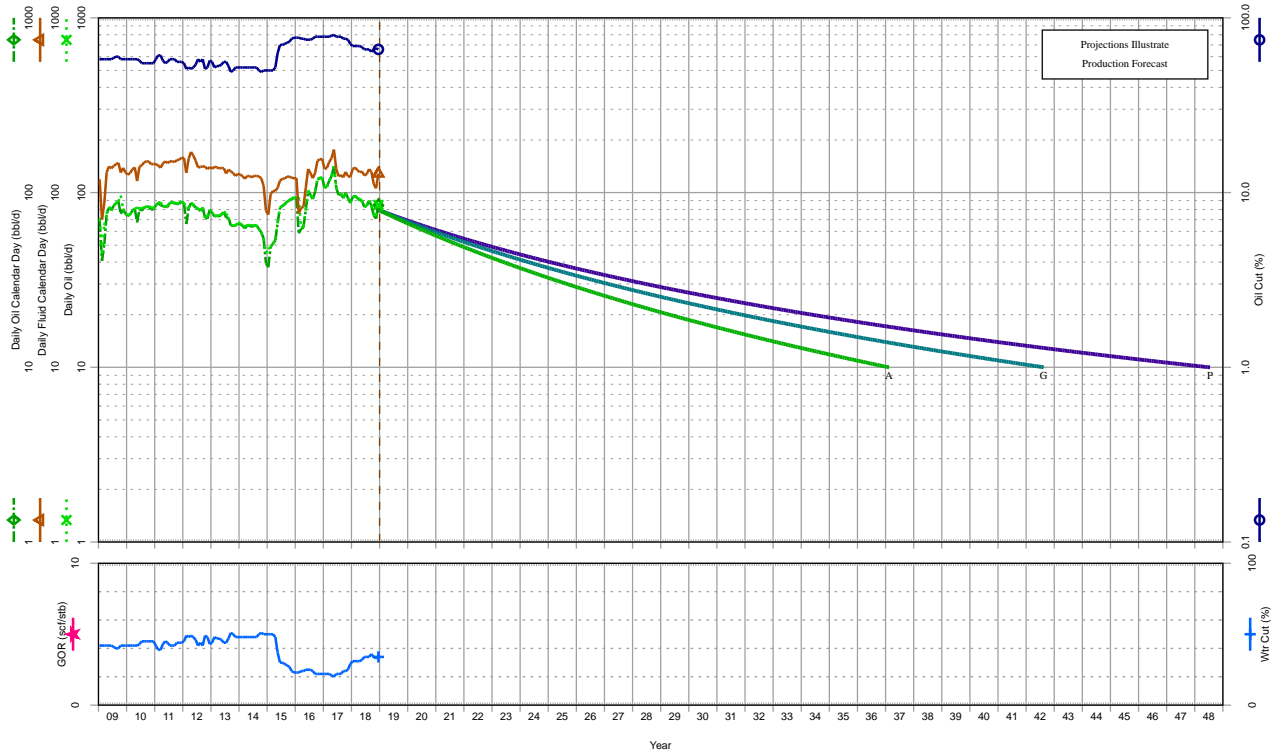
| | | | | | |
|-----|--------------|-----|----------|-------|---------------|
| Oil | 2100.2 Mbbbl | Gas | 0.0 MMcf | Water | 1315... Mbbbl |
|-----|--------------|-----|----------|-------|---------------|

CENDERE-09
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-10

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 1550 | 1357 | 193 | 79 | 10 | 15.8 | 0.40 |
| P + P Prd - G | 1600 | 1357 | 243 | 79 | 10 | 13.7 | 0.50 |
| PPP Prd - P | 1650 | 1357 | 293 | 79 | 10 | 12.5 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 86.7 bbl/d | 86.1 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.4 days | | WC | 32.9 % |

Cumulative Production

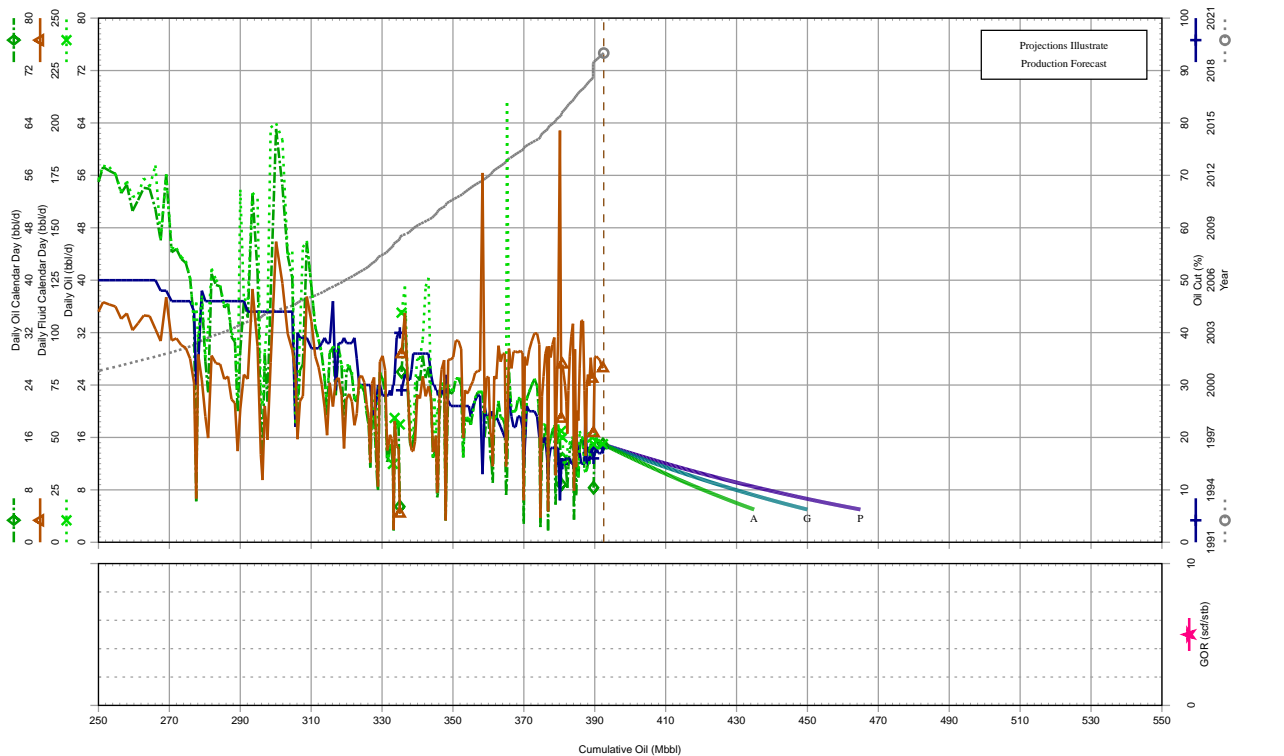
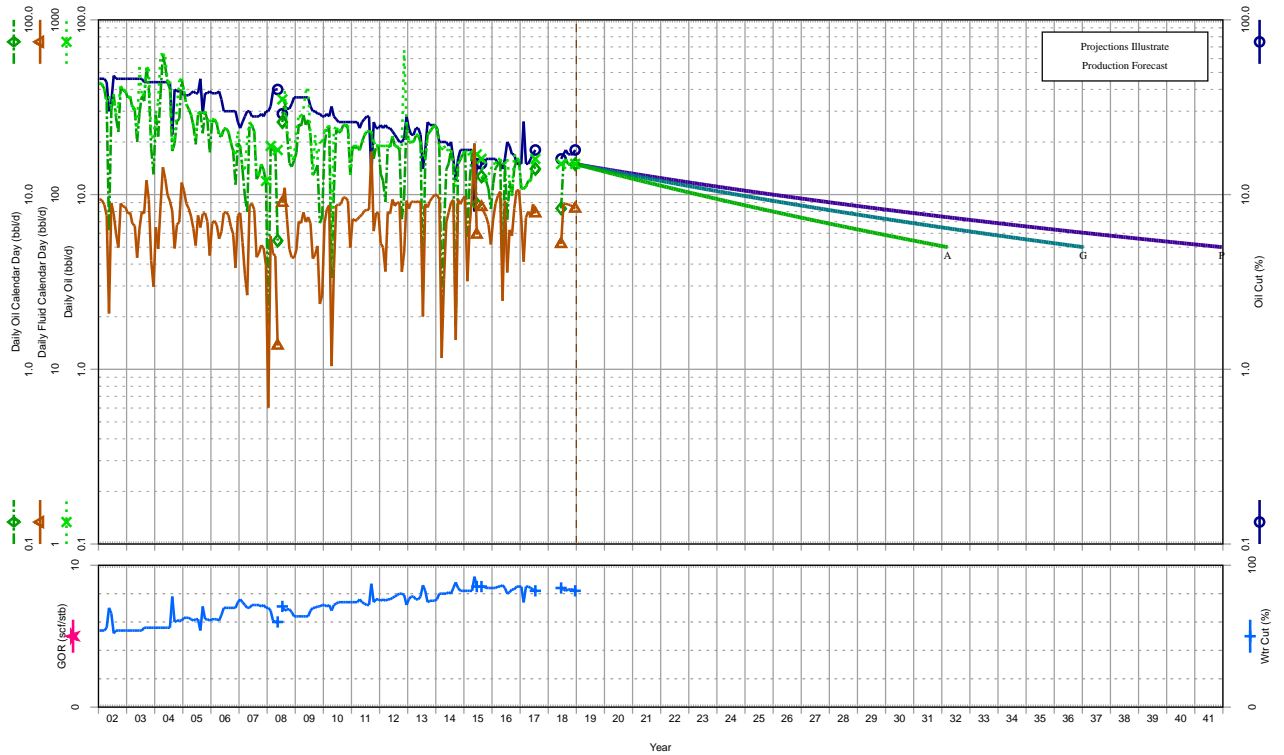
| | | | | | |
|-----|--------------|-----|----------|-------|-------------|
| Oil | 1357.5 Mbbbl | Gas | 0.0 MMcf | Water | 307.5 Mbbbl |
|-----|--------------|-----|----------|-------|-------------|

CENDERE-10
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-11

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expt |
| Pv Prd — A | 435 | 393 | 42 | 15 | 5 | 9.2 | 0.30 |
| P + P Prd — G | 450 | 393 | 57 | 15 | 5 | 7.2 | 0.40 |
| PPP Prd — P | 465 | 393 | 72 | 15 | 5 | 6.0 | 0.50 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 15.1 bbl/d | 8.2 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 198.9 days | | WC | 82.8 % |

Cumulative Production

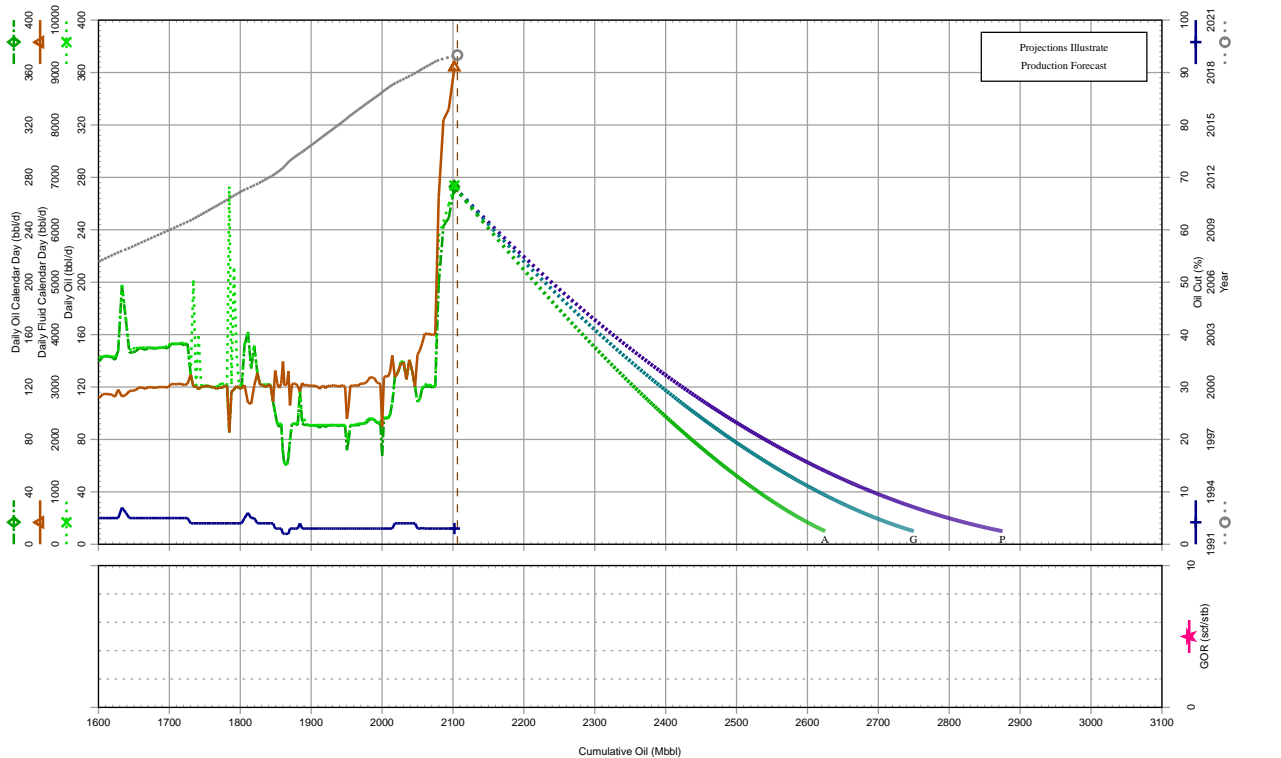
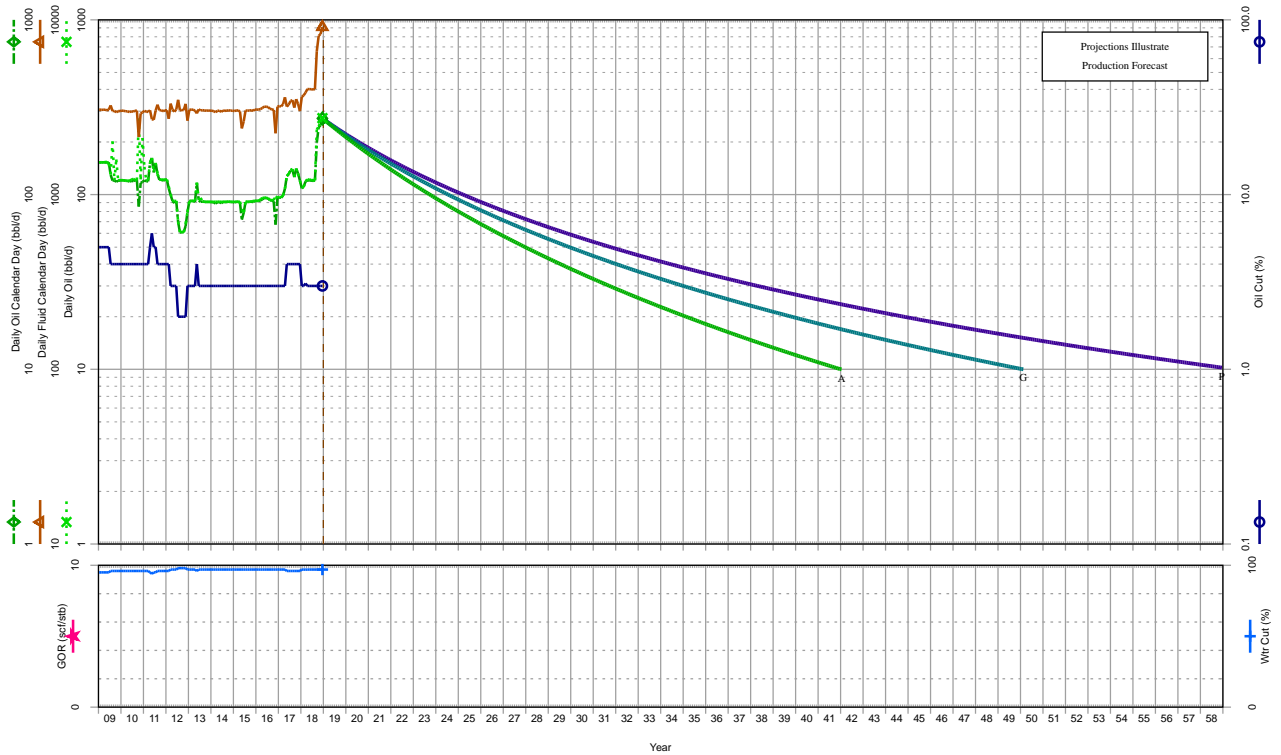
| | | | | | |
|-----|-------------|-----|----------|-------|-------------|
| Oil | 392.5 Mbbbl | Gas | 0.0 MMcf | Water | 417.0 Mbbbl |
|-----|-------------|-----|----------|-------|-------------|

CENDERE-11
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-13

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|-------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 2625 | 2106 | 519 | 270 | 10 | 21.0 | 0.30 |
| P + P Prd - G | 2750 | 2106 | 644 | 270 | 10 | 19.0 | 0.40 |
| PPP Prd - P | 2875 | 2106 | 769 | 270 | 10 | 17.9 | 0.50 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|-------------|--------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 163.3 bbl/d | 158.8 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 357.2 days | | WC | 97.0 % |

Cumulative Production

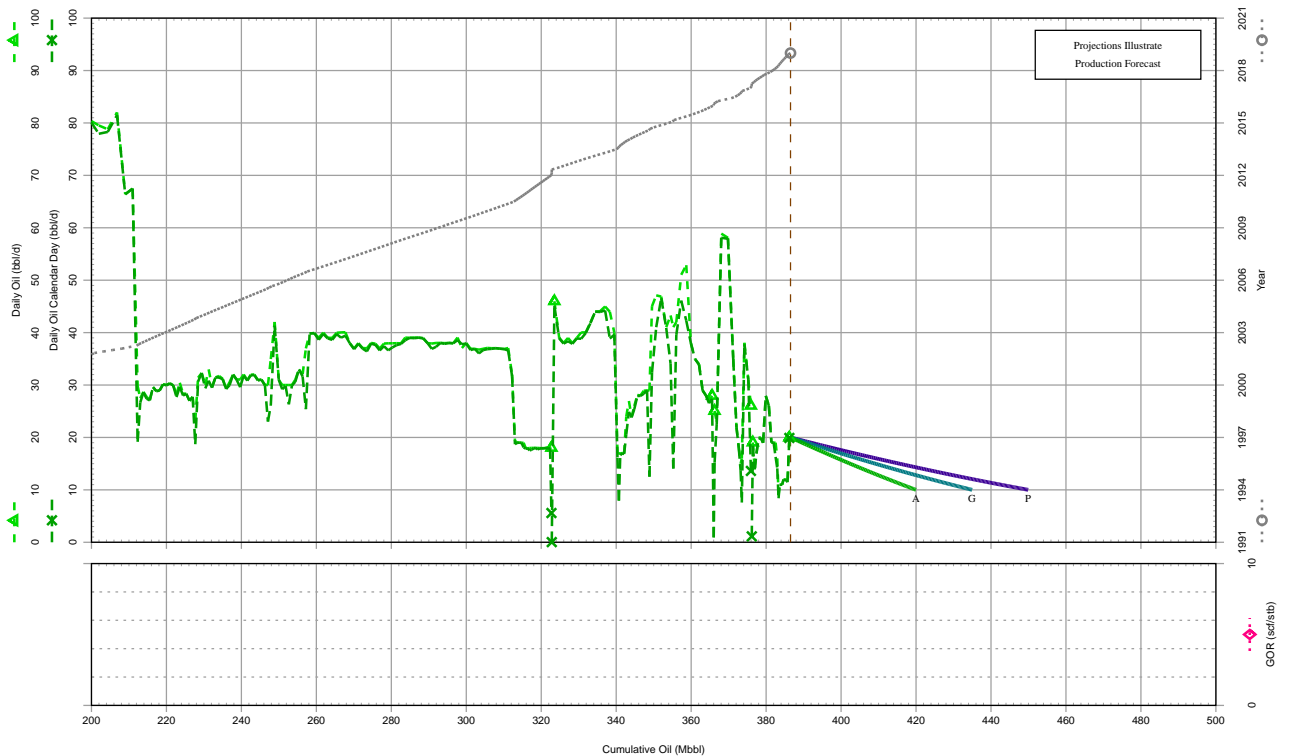
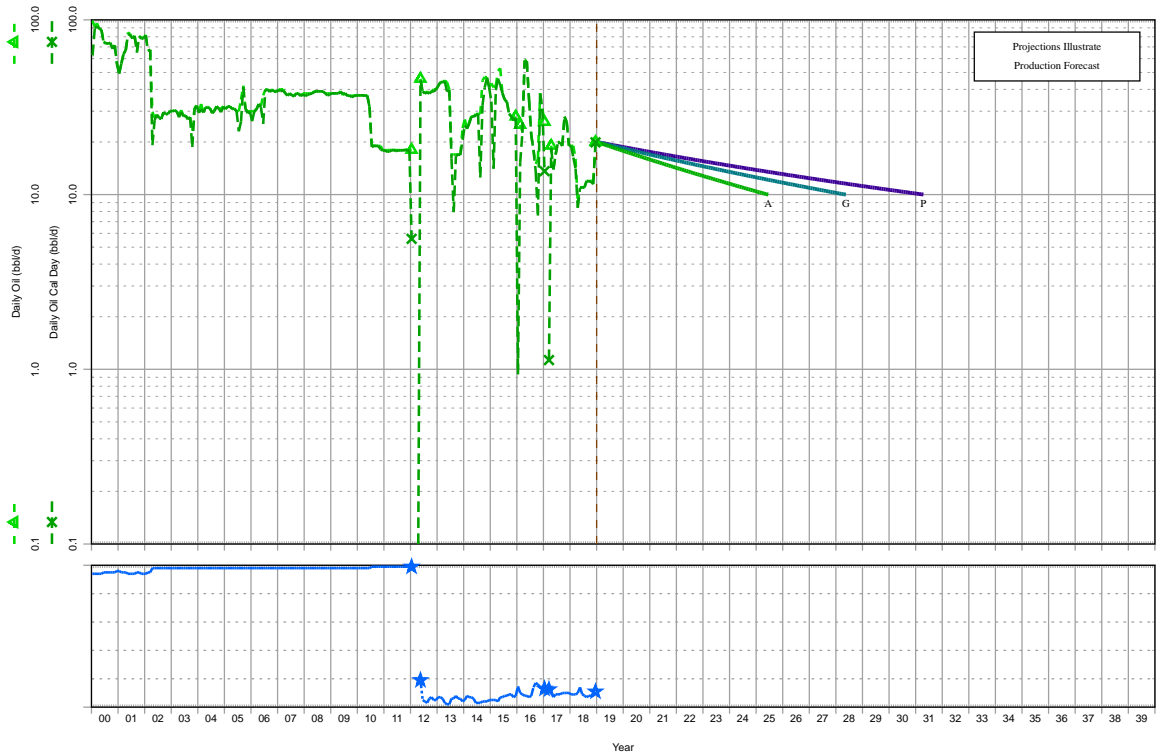
| | | | | | |
|-----|-------------|-----|----------|-------|--------------|
| Oil | 2106.3 Mbbl | Gas | 0.0 MMcf | Water | 2258... Mbbl |
|-----|-------------|-----|----------|-------|--------------|

CENDERE-13
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-14

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 420 | 387 | 33 | 20 | 10 | 11.1 | 0.30 |
| P + P Prd - G | 435 | 387 | 48 | 20 | 10 | 8.1 | 0.40 |
| PPP Prd - P | 450 | 387 | 63 | 20 | 10 | 6.4 | 0.50 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 13.7 bbl/d | 13.1 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 353.2 days | | WC | 9.2 % |

Cumulative Production

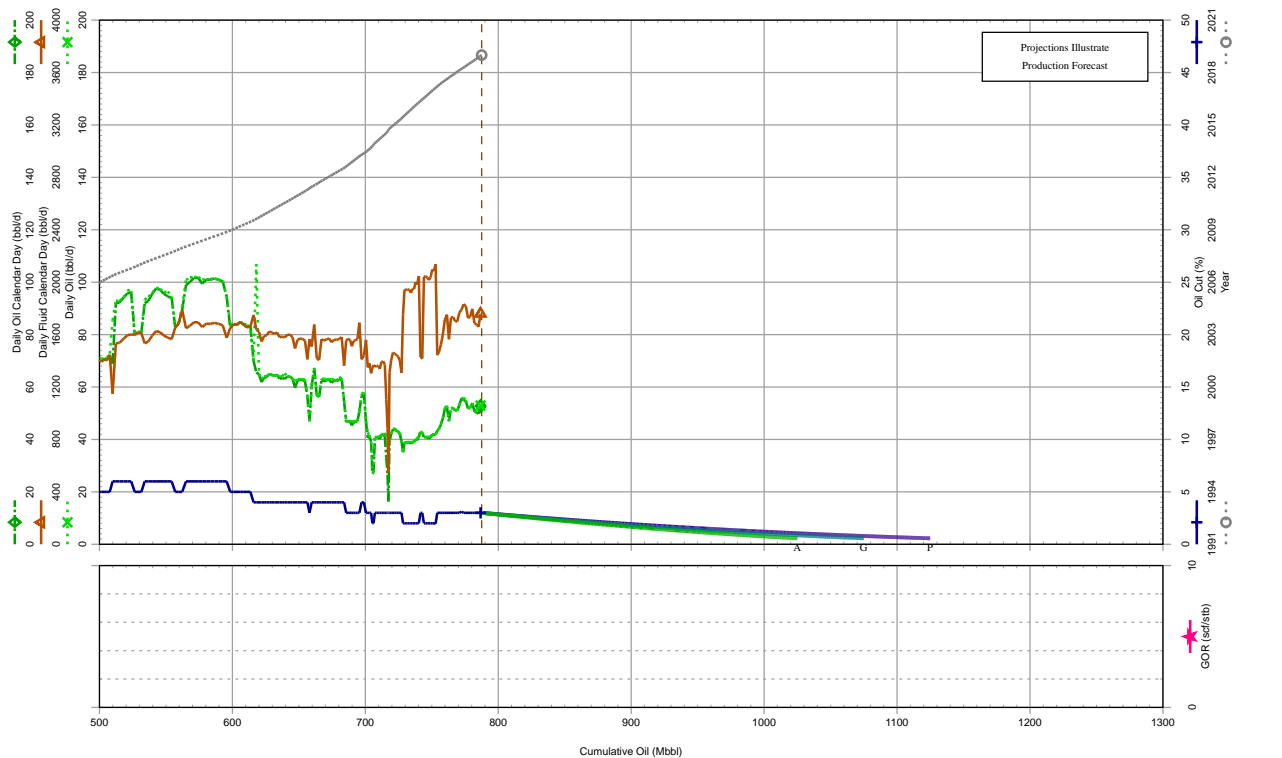
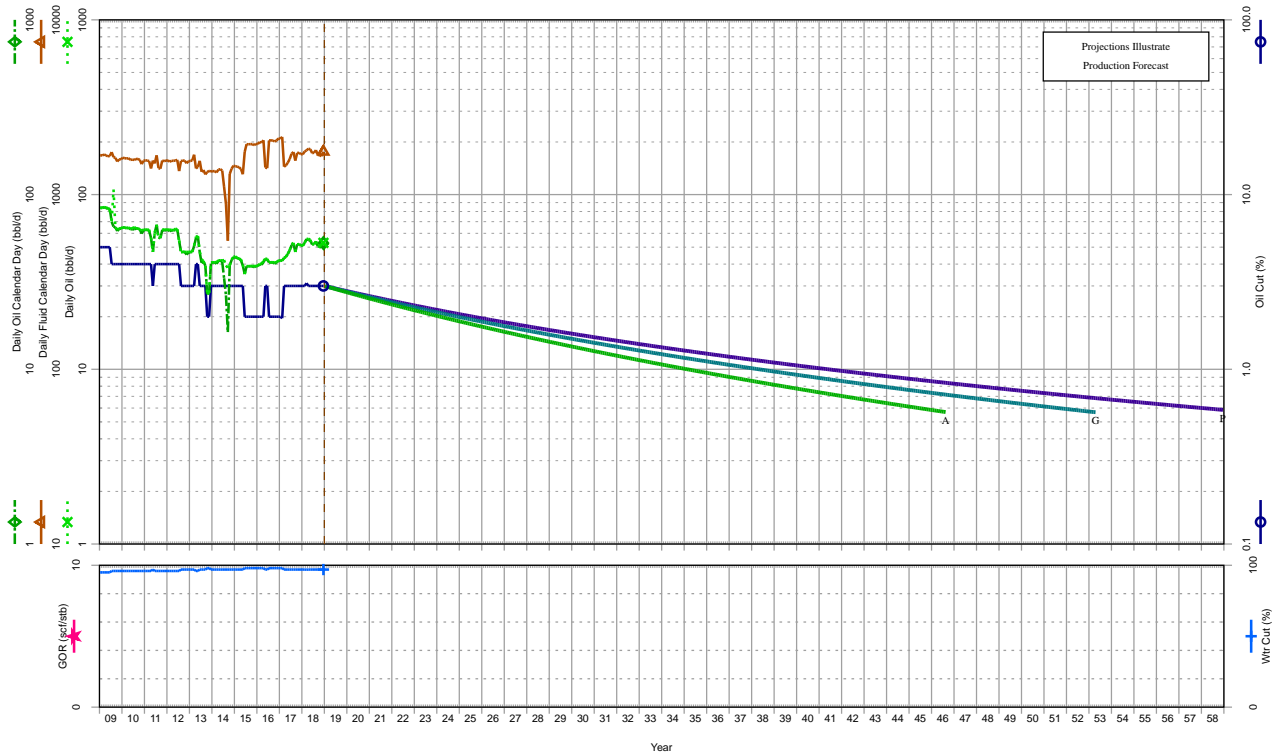
| | | | | | |
|-----|-------------|-----|----------|-------|--------------|
| Oil | 386.5 Mbbbl | Gas | 0.0 MMcf | Water | 7958.8 Mbbbl |
|-----|-------------|-----|----------|-------|--------------|

CENDERE-14
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-16

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Oil Cut % | | Decline | |
|-------------------------|--------------------|---------|--------|-----------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 1025 | 788 | 237 | 3.00 | 0.57 | 8.1 | 0.40 |
| P + P Prd - G | 1075 | 788 | 287 | 3.00 | 0.57 | 7.2 | 0.50 |
| PPP Prd - P | 1125 | 788 | 337 | 3.00 | 0.57 | 6.6 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 52.9 bbl/d | 52.5 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.3 days | | WC | 97.0 % |

Cumulative Production

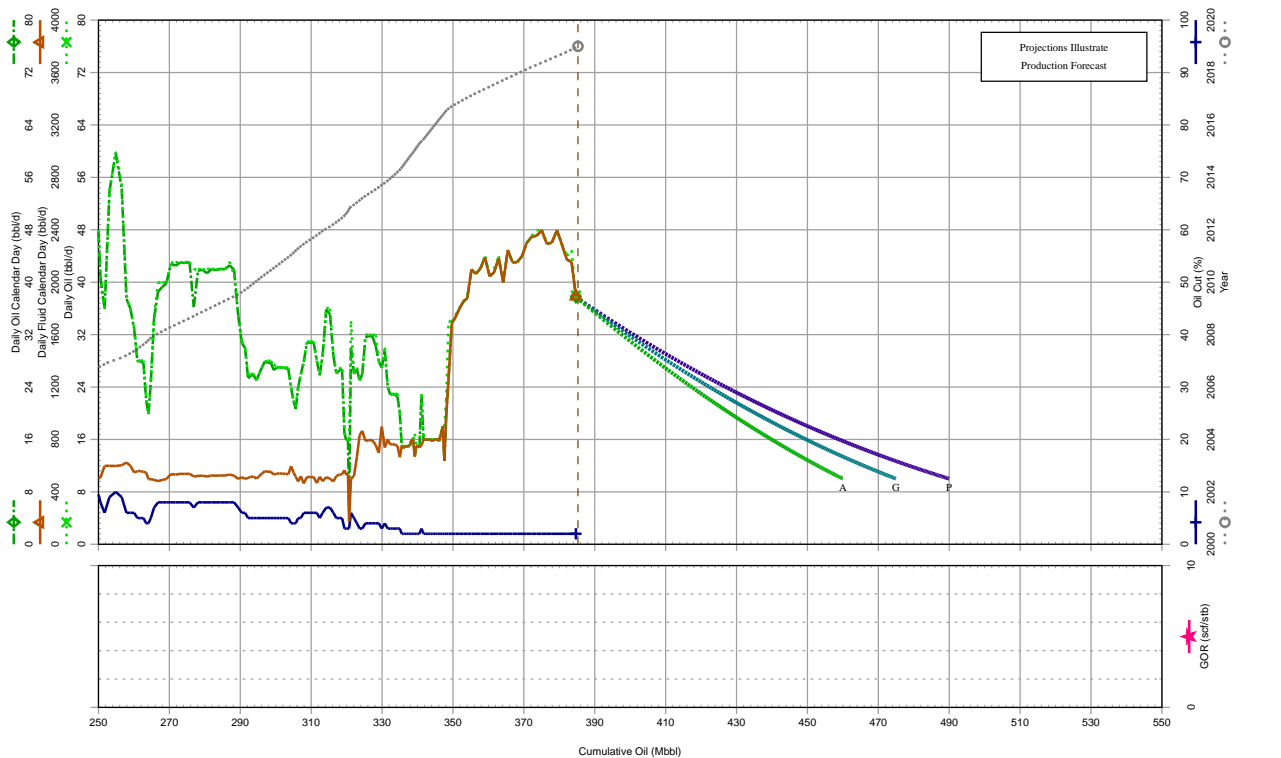
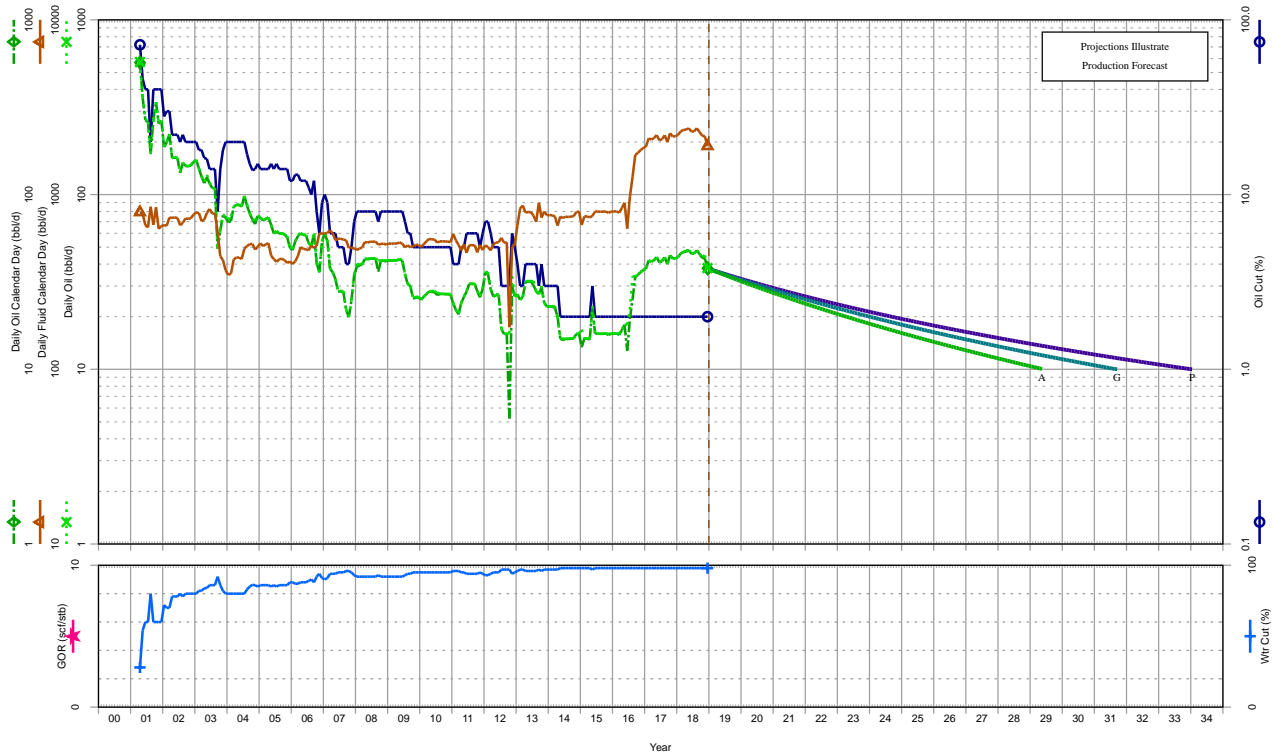
| | | | | | |
|-----|-------------|-----|----------|-------|---------------|
| Oil | 787.5 Mbbbl | Gas | 0.0 MMcf | Water | 1033... Mbbbl |
|-----|-------------|-----|----------|-------|---------------|

CENDERE-16
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-17

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|--------------------|---------|--------|-----------------|-------|---------|-------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expon |
| Pv Prd - A | 460 | 385 | 75 | 38 | 10 | 14.9 | 0.40 |
| P + P Prd - G | 475 | 385 | 90 | 38 | 10 | 13.3 | 0.50 |
| PPP Prd - P | 490 | 385 | 105 | 38 | 10 | 12.1 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 45.5 bbl/d | 45.1 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.4 days | | WC | 98.0 % |

Cumulative Production

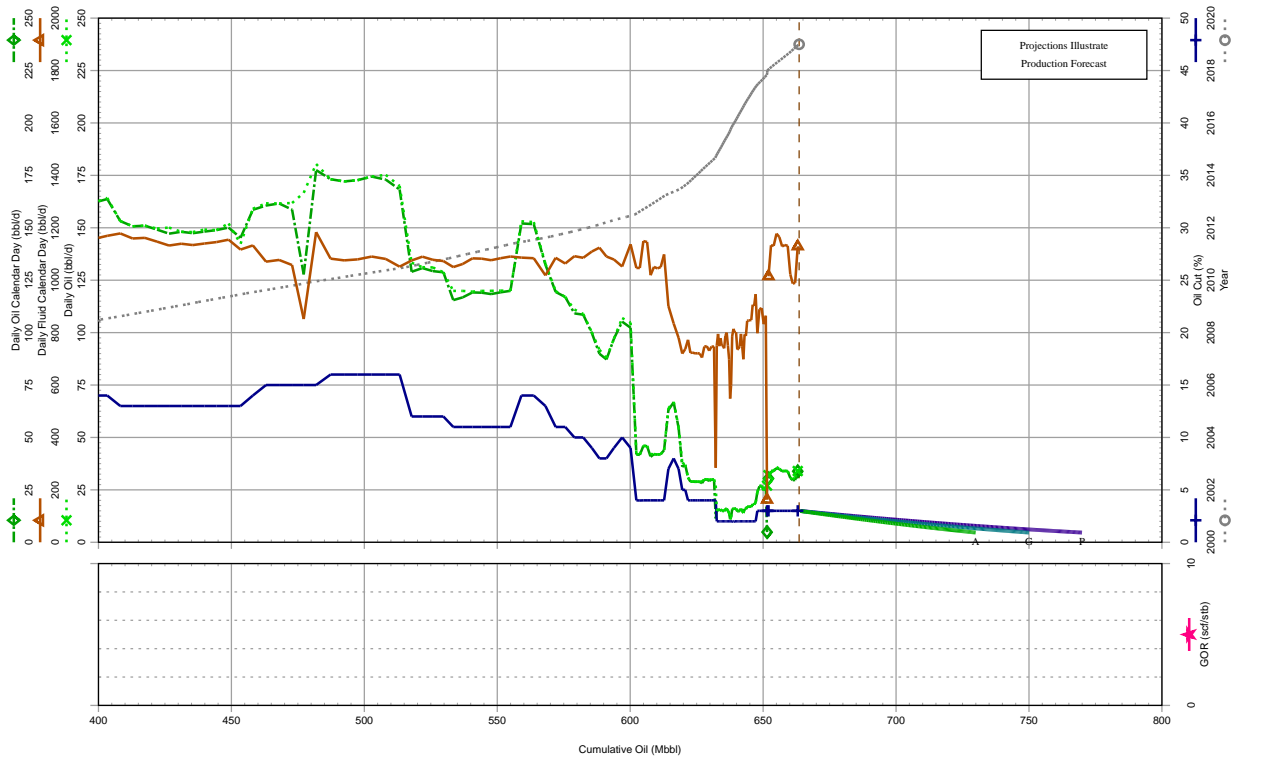
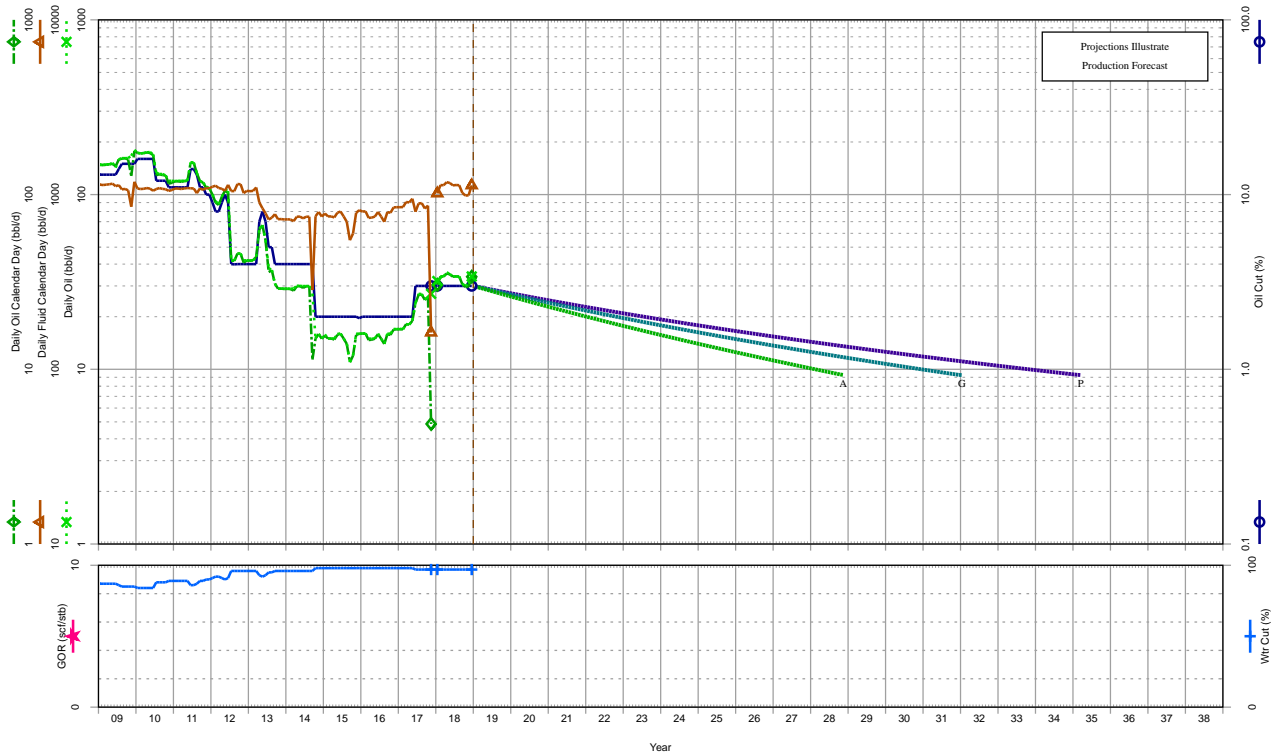
| | | | | | |
|-----|-------------|-----|----------|-------|--------------|
| Oil | 385.3 Mbbbl | Gas | 0.0 MMcf | Water | 4836.7 Mbbbl |
|-----|-------------|-----|----------|-------|--------------|

CENDERE-17
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-19

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Oil Cut % | | Decline | |
|-------------------------|--------------------|---------|--------|-----------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd — A | 730 | 664 | 66 | 3.00 | 0.93 | 13.0 | 0.30 |
| P + P Prd — G | 750 | 664 | 86 | 3.00 | 0.93 | 10.7 | 0.40 |
| PPP Prd — P | 770 | 664 | 106 | 3.00 | 0.93 | 9.2 | 0.50 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 33.2 bbl/d | 32.9 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 360.8 days | | WC | 97.0 % |

Cumulative Production

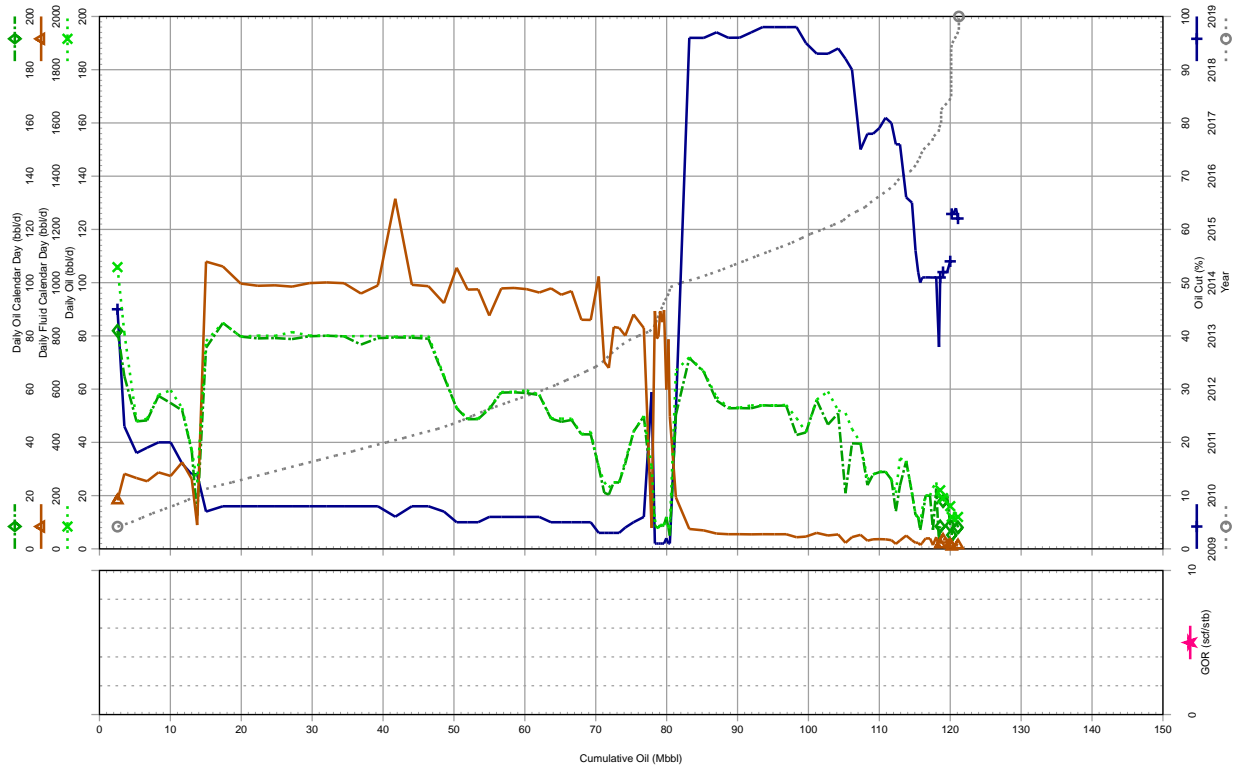
| | | | | | |
|-----|-------------|-----|----------|-------|--------------|
| Oil | 663.5 Mbbbl | Gas | 0.0 MMcf | Water | 4808.8 Mbbbl |
|-----|-------------|-----|----------|-------|--------------|

CENDERE-19
1192041 / Feb 13, 2019

Historical Production CENDERE-22

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Status Summary

On Production date :
On Injection date :
Status date :
Status :

Cumulative Production

Gas : 0.0MMcf
Oil : 121.2Mbbbl
Water : 1260.0Mbbbl

Average Production Rates (Last 12 months ending 2018/12/31)

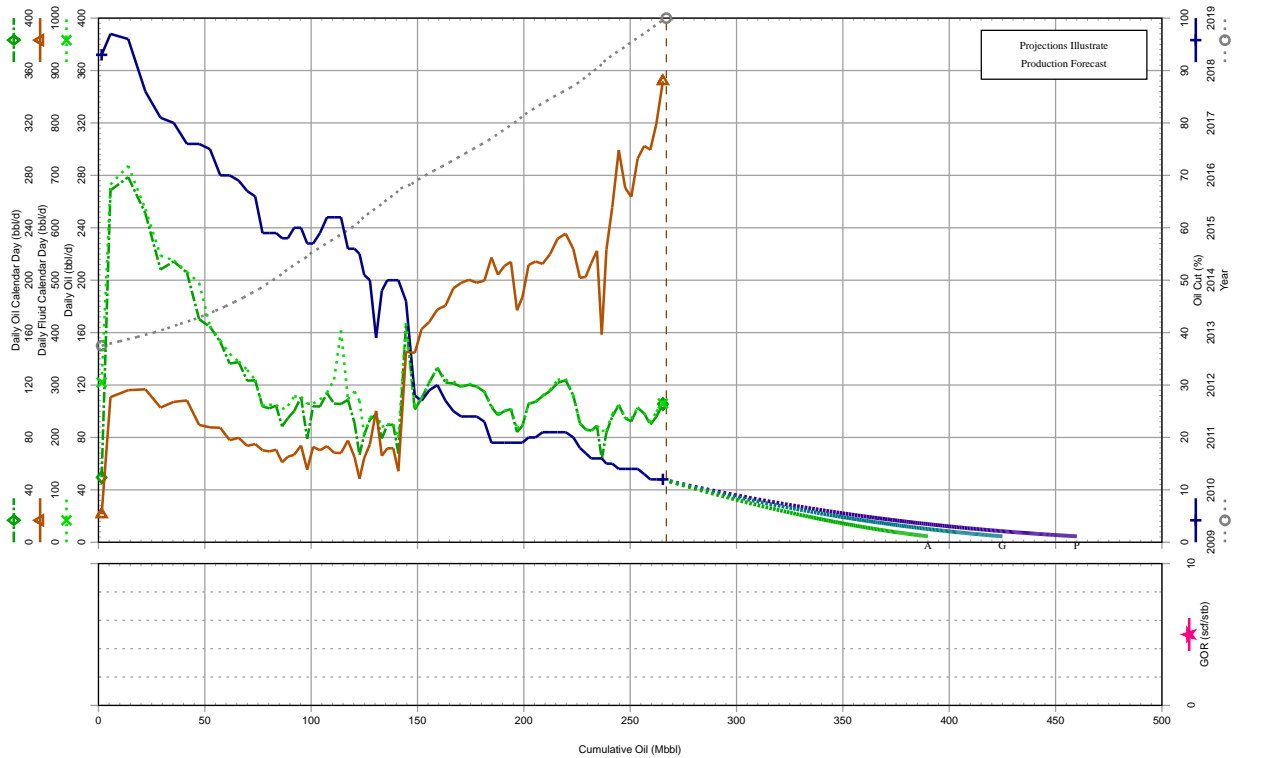
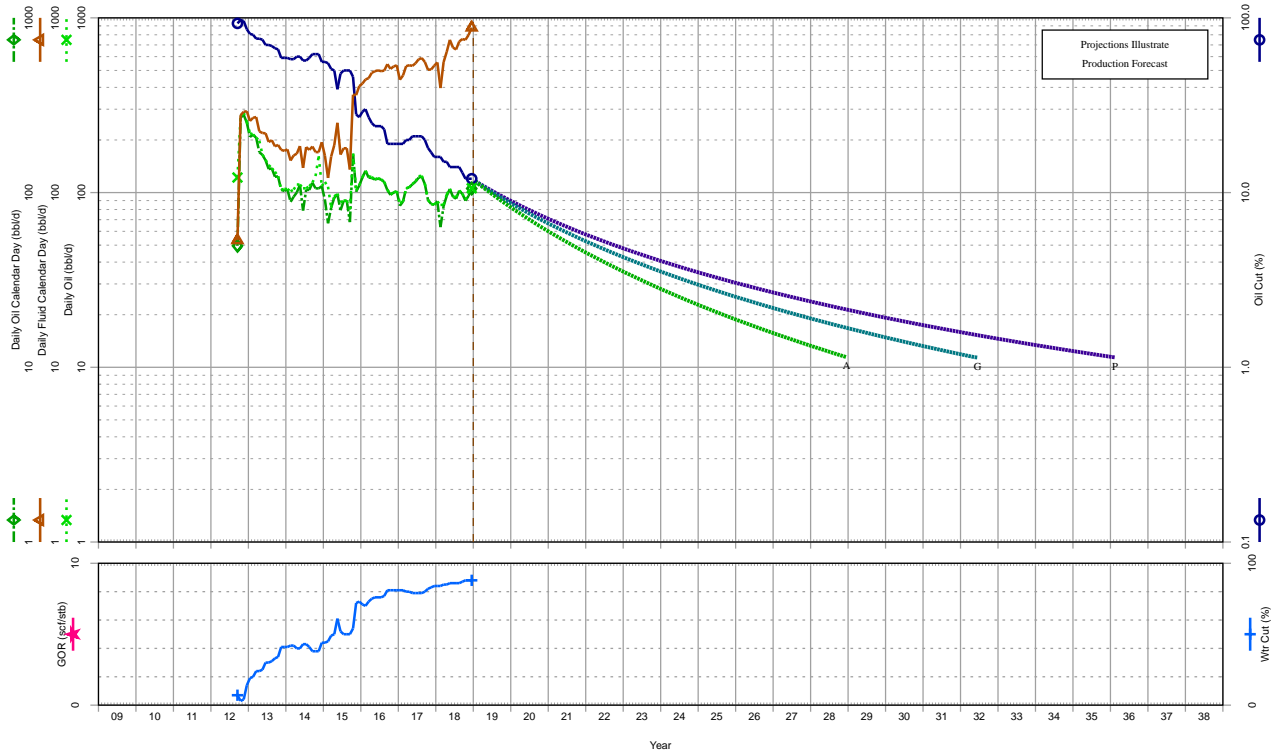
Gas 0.0Mcf/d 0.0Mcf/cd WGR 0.0bbl/MMcf
Oil 12.0bbl/d 3.0bbl/cd GOR 0.0scf/stb
On Prod 90.4 days WC 36.9%

(2019-Feb-11) No reserves assigned.
CENDERE-22
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-23

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Oil Cut % | | Decline | |
|-------------------------|--------------------|---------|--------|-----------|-------|---------|--------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expont |
| Pv Prd - A | 390 | 267 | 123 | 11.80 | 1.14 | 30.2 | 0.40 |
| P + P Prd - G | 425 | 267 | 158 | 11.80 | 1.14 | 26.4 | 0.50 |
| PPP Prd - P | 460 | 267 | 193 | 11.80 | 1.14 | 24.0 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 95.8 bbl/d | 93.2 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 354.1 days | | WC | 86.3 % |

Cumulative Production

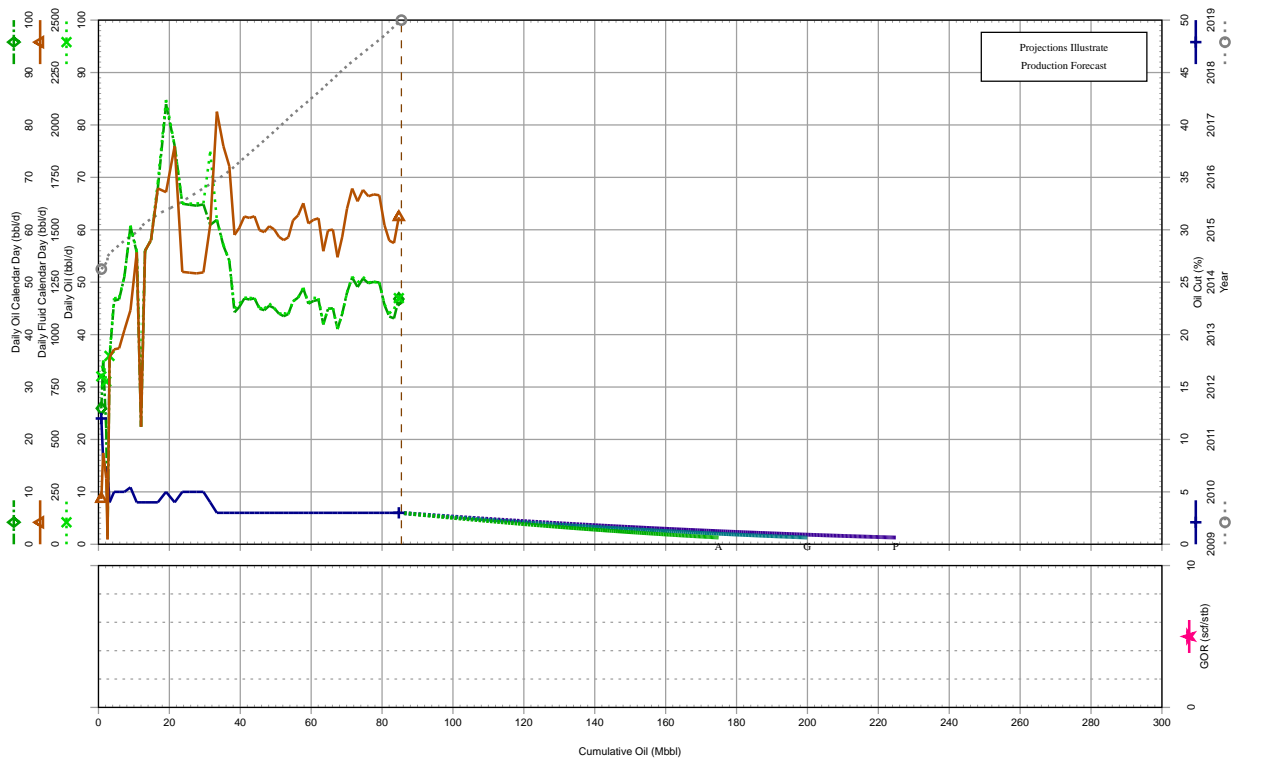
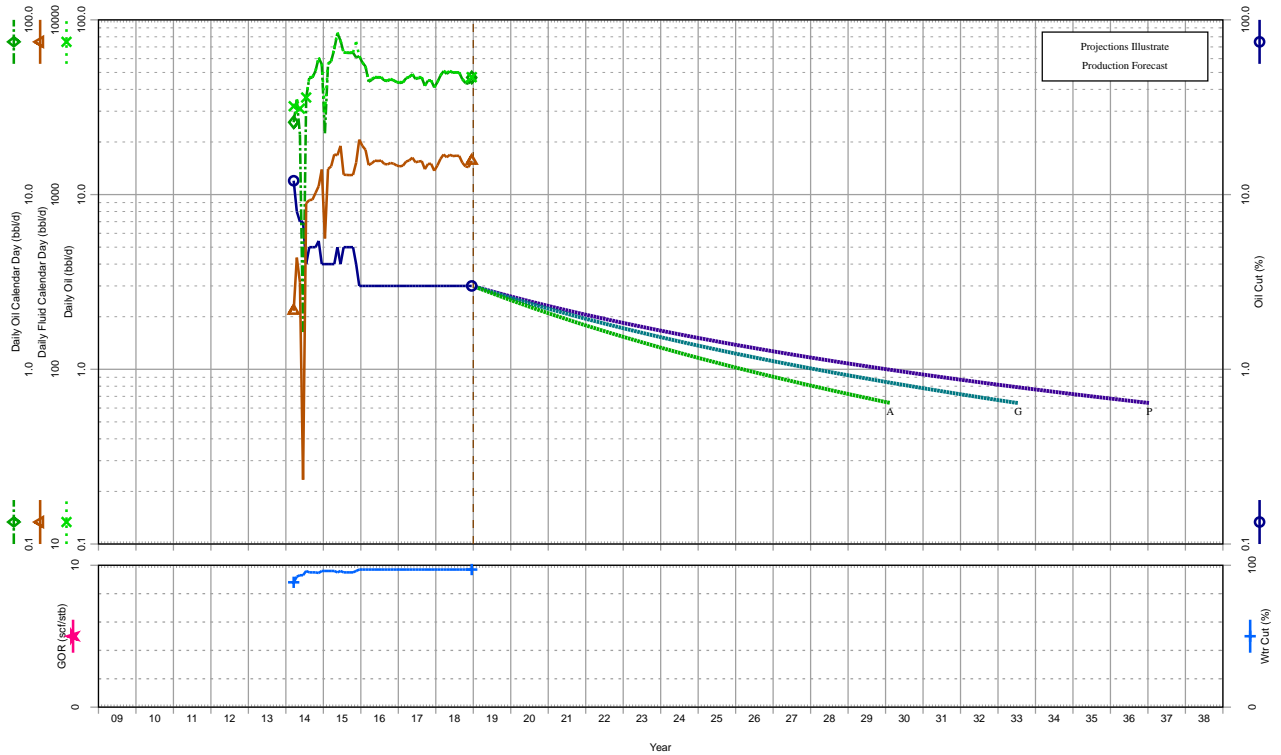
| | | | | | |
|-----|-------------|-----|----------|-------|-------------|
| Oil | 267.0 Mbbbl | Gas | 0.0 MMcf | Water | 604.6 Mbbbl |
|-----|-------------|-----|----------|-------|-------------|

CENDERE-23
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-24

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbbl) | | | Oil Cut % | | Decline | |
|-------------------------|--------------------|---------|--------|-----------|-------|---------|-------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expon |
| Pv Prd - A | 175 | 85 | 90 | 2.99 | 0.64 | 16.8 | 0.40 |
| P + P Prd - G | 200 | 85 | 115 | 2.99 | 0.64 | 14.2 | 0.50 |
| PPP Prd - P | 225 | 85 | 140 | 2.99 | 0.64 | 12.6 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 48.0 bbl/d | 47.6 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.3 days | | WC | 97.0 % |

Cumulative Production

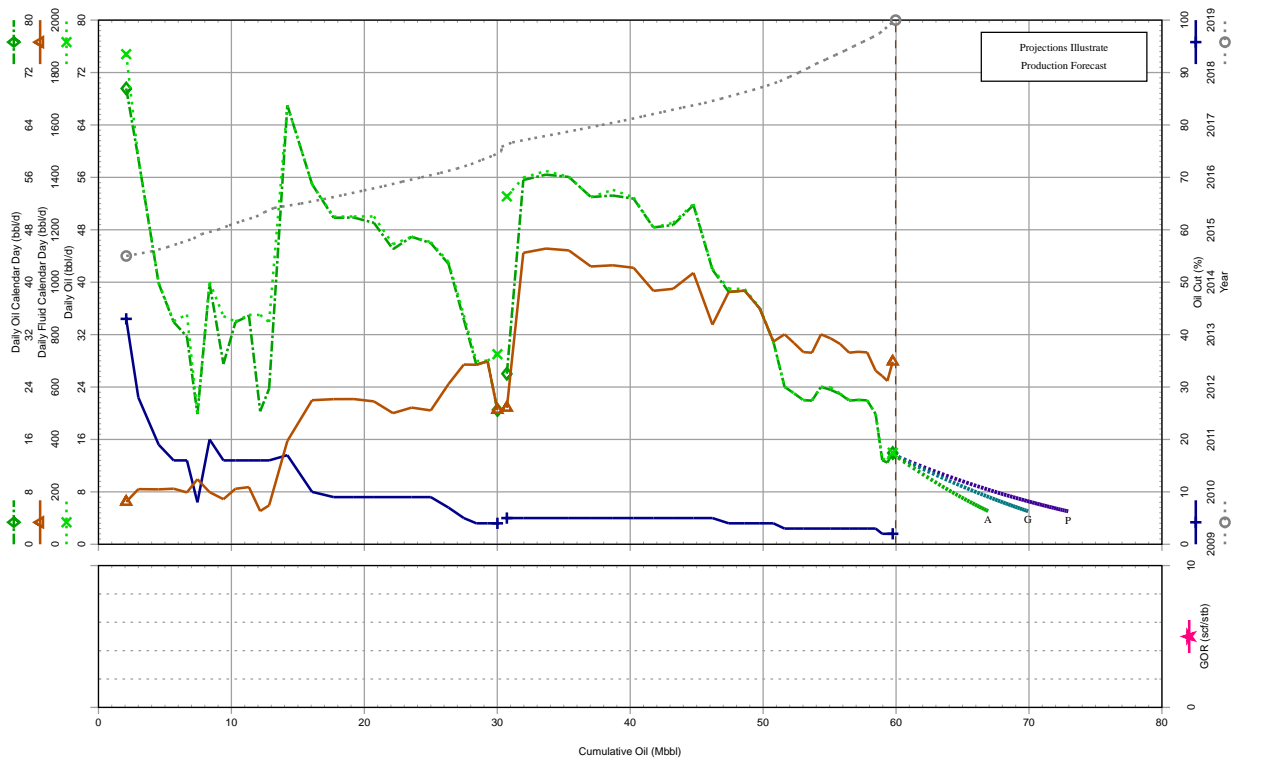
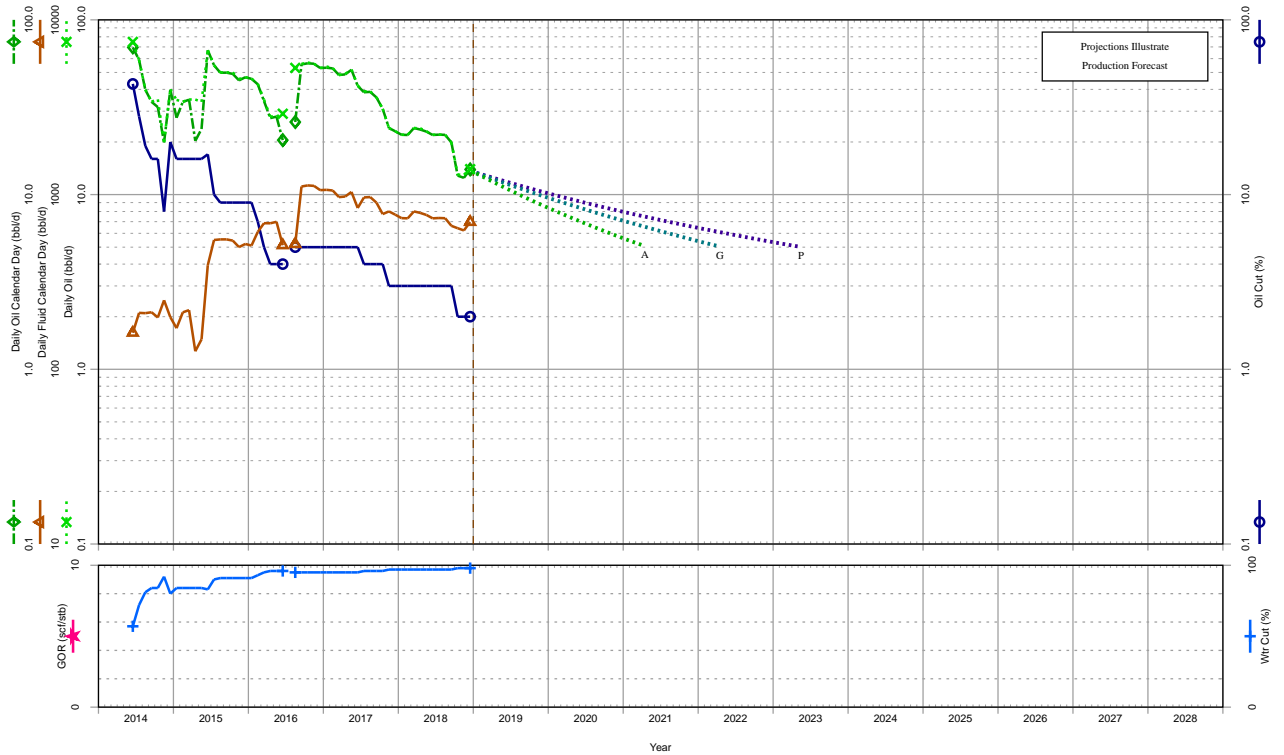
| | | | | | |
|-----|------------|-----|----------|-------|--------------|
| Oil | 85.5 Mbbbl | Gas | 0.0 MMcf | Water | 2371.5 Mbbbl |
|-----|------------|-----|----------|-------|--------------|

CENDERE-24
1192041 / Feb 13, 2019

Historical and Forecast Production CENDERE-25

Property : Cendere
Well Name :

Regulatory Field :
Regulatory Pool :
Operator :



Decline Analysis Summary At 2019/01/01

| Reserves Classification | Reserves (Mbbl) | | | Rates (bbl/d) | | Decline | |
|-------------------------|-------------------|---------|--------|-----------------|-------|---------|-------|
| | Ultimate | Cum Prd | Remain | Initial | Final | Initial | Expor |
| Pv Prd - A | 67 | 60 | 7 | 14 | 5 | 37.9 | 0.40 |
| P + P Prd - G | 70 | 60 | 10 | 14 | 5 | 29.0 | 0.40 |
| PPP Prd - P | 73 | 60 | 13 | 14 | 5 | 24.7 | 0.60 |

Average Production Rates (Last 12 months ending 2018/12/31)

| | | | | |
|---------|------------|-------------|-----|--------------|
| Gas | 0.0 Mcf/d | 0.0 Mcf/cd | WGR | 0.0 bbl/MMcf |
| Oil | 20.1 bbl/d | 19.9 bbl/cd | GOR | 0.0 scf/stb |
| On Prod | 362.4 days | | WC | 97.2 % |

Cumulative Production

| | | | | | |
|-----|-----------|-----|----------|-------|------------|
| Oil | 60.0 Mbbl | Gas | 0.0 MMcf | Water | 985.0 Mbbl |
|-----|-----------|-----|----------|-------|------------|

CENDERE-25
1192041 / Feb 13, 2019