

Interoil Exploration and Production ASA

2018 annual statement of reserves

Summary

Interoil Exploration & Production ASA (“Interoil”) currently owns and operates four producing fields: Ambrosia, Mana, Rio Opia and Vikingo, located within two exploitation contracts, Puli C and LLA-47; additionally the company owns and operates two exploration contracts: Altair and LLA-47.

The proven reserves (“1P”) amount 1.2 mmboe net after royalties, the 2P reserves are 1.5 mmboe net after royalties and 3P reserves are 1.9 mmboe net after royalties. This represents a decrease of 0.9 mmboe on the 1P, a decrease of 1.4 mmboe on the 2P, and a decrease of 1.8 mmboe on 3P compared with 31 December 2017.

The reserves and the volumes underlying have been estimated and classified according to the “petroleum resources management system” (“PRMS”), which was approved by the Society of Petroleum Engineers, the World Petroleum Council, the American Society of Petroleum Geologist and Society of Petroleum Evaluations Engineers in June 2018, and have been audited by the independent petroleum engineering firm of Gaffney, Cline and Associates Inc. The corresponding report is included in this statement.

Quantitative Information

A summary of the 1P, 2P and 3P reserves as at 31 December 2018 are shown in *Table 1*. The reserves have been further subdivided into Prove Developed and Undeveloped, in line with the PRMS definitions of these categories.

| Reserves | Gross (100%) Volumes | | Interoil's Working Interest volumes | | Reserves Net to Interoil's Interest | |
|-----------------|----------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|
| | Liquids (MMBbl) | Gas (Bcf) | Liquids (MMBbl) | Gas (Bcf) | Liquids (MMBbl) | Gas (Bcf) |
| Proved | | | | | | |
| Developed | 0.94 | 2.87 | 0.66 | 2.01 | 0.62 | 1.88 |
| Undeveloped | 0.22 | 0.92 | 0.16 | 0.64 | 0.14 | 0.60 |
| Total 1P | 1.16 | 3.79 | 0.82 | 2.65 | 0.76 | 2.48 |
| Total 2P | 1.42 | 4.63 | 1.01 | 3.24 | 0.94 | 3.03 |
| Total 3P | 1.84 | 6.20 | 1.30 | 4.34 | 1.21 | 4.06 |

Table 1. Summary of the 1P, 2P and 3P reserves as at 31 December 2018

Management's Discussion and Analysis

Methodology

Interoil's reserves were calculated based on natural reservoir depletion from active wells plus production flowing from future activities, i.e. in-fill wells, work-over and opening of new layers from known producing reservoirs.

The oil price scenario for each field were based on GCA Brent oil price minus Vasconia Oil Terminal discount price as detailed in table #1.

| Year | Gross Oil Price USD\$/Bbl | Vasconia Differential USD\$/Bbl | Sales Oil Price USD\$/Bbl |
|------|------------------------------|------------------------------------|------------------------------|
| 2018 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2019 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2020 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2021 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2022 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2023 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2024 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2025 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2026 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2027 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2028 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2029 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2030 | \$ 62.00 | \$ 3.00 | \$ 59.00 |
| 2031 | \$ 62.00 | \$ 3.00 | \$ 59.00 |

Figure 1. Oil Sales Price Scenarios Ambrosía, Río Opia Maná, Altaír and LLA-47.

The gas price scenario used for the Puli C exploitation contract was based on Turgas selling contract at USD\$ 2.90/Mscf.

Ambrosía, Maná and Río Opia Áreas

In the Puli C fields, Interoil participation interest, royalty for oil and gas and contract expiration dates are detailed in the table below.

| Area | Working Interest (%) | Royalty Oil (%) | Royalty Gas (%) | Contract Deadline |
|----------|----------------------|-----------------|-----------------|-------------------|
| Ambrosía | 70 | 8 | 6.4 | 27-Dec-2027 |
| Río Opia | 70 | 8 | 6.4 | 23-Jun-2030 |
| Maná | 70 | 8 | 6.4 | 12-Nov-2028 |

Figure 2. Contract deadline, working interest and royalties, Ambrosía, Maná and Río Opia.

During 2018, Interoil implemented a strong maintenance program including pump changes, paraffin cut, flushing tubing and surface lines with hot and inhibited oil, in order to diminish the deferred production due to malfunction in the subsurface and surface equipment.

Interoil technical team has been working on a new static model to then generate a dynamic model that will help better understand reservoir behavior in either Doima and UOB producing formations. This work includes redefinition of the geological framework, stratigraphic sequences, zonation, and generation of a petrophysical model together with all the open hole logs and core-sides together with our 3D geophysical seismic interpretation model. This work is still in progress but it has allowed us to identify undeveloped reserves, and reviewed and validated by GCA, to target a drilling campaign of four wells in Maná and one well in a new structure named UCO west to Mana field plus a workover campaign including five wells in the Maná field and one in the Rio Opia field.

Lla-47 and Altaír Areas

These exploration blocks are operated by Interoil under the following contractual terms:

| Area | Working Interest (%) | Royalty Oil (%) | X Factor (%) | Contract Deadline |
|--------|----------------------|-----------------|--------------|-------------------|
| Altaír | 100 | 8 | 10 | 27-December-2035 |
| LLA-47 | 100 | 8 | 15 | 10-February-2020 |

Figure 3. Contract deadline, working interest and royalties, Altaír and LLA-47.

Interoil holds and operates the Altaír Block where the well Altair-1 is temporarily shut-in waiting for an environmental permit to be granted by the Colombia Authority. The company plans to drill a second exploration well, Yagan-x1, in the eastern portion of the block once all the environmental permits plus the right of ways and land permits are granted by both authorities and landowners.

In the nearby area, Interoil holds and operates LLA-47 where Vikingo-x1, the first successful exploratory well, was drilled in 2017. This well is flowing around 250 bopd of dry oil from the C5 layer in the Carbonera Formation. In this formation there is another producing interval, the C7 layer, currently shut-in waiting to be on stream once C5 is depleted and then could both layers be commingled produced .

Interoil plans to drill a second exploration well, Malevo-x1, from the Vikingo's well site targeting the Gacheta Formation, a known producing layer in the nearby fields.

These projects together with some others once that are being studied in commingle provide interesting Contingent Resources for the company.

Summary

Interoil's net reserves after royalties had a significant technical adjustment mainly because of a change in the depletion curve from the producing wells assumed by the certifier. Hence, gas reserves are also reduced because most of its flows come from gas contained within the oil at reservoir condition, technically known as Gas Oil Ratio (GOR).

| Reserves | Reserves 2017 | | Production 2018 | | Technical adjustment | | Reserves 2018 | |
|----------|----------------------|------------|------------------|------------|----------------------|------------|----------------------|------------|
| | Gross (100%) Volumes | | Gross Production | | 2017-2018 | | Gross (100%) Volumes | |
| | Liquids (MMbbl) | Gas (Bscf) | Liquids (MMbbl) | Gas (Bscf) | Liquids (MMbbl) | Gas (Bscf) | Liquids (MMbbl) | Gas (Bscf) |
| Total 1P | 1.9 | 8.1 | (0.3) | (0.9) | (0.4) | (3.4) | 1.2 | 3.8 |
| Total 2P | 2.6 | 10.6 | 0.0 | 0.0 | (1.2) | (6.0) | 1.4 | 4.6 |
| Total 3P | 3.4 | 13.3 | 0.0 | 0.0 | (1.6) | (7.1) | 1.8 | 6.2 |

Table 2. Shows the reconciliation of the changes in net reserves over the year.

Oslo 22 April 2019



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Interoil Exploration & Production ASA

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Reserves and Resources Statement for Ambrosía, Río Opia, Maná, Llanos 47 and Altair Areas, Colombia as of December 31, 2018

Dear Mr. Carbone,

This reserves and resources statement has been prepared by Gaffney, Cline & Associates (GCA) and issued on March 18, 2019 at the request of Interoil Colombia E&P (Interoil or “the Client”), operator of and a variable interest participant in the Ambrosía, Río Opia and Maná concessions of the Río Magdalena basin and the Altair and Llanos 47 concessions in the Casanare province, Colombia. This report is intended for use in conjunction with the preparation of Interoil’s Annual Statement of Reserves and Resources and to be presented to the Hydrocarbon National Agency (ANH) of Colombia.

This report relates specifically and solely to the subject matter as defined in the scope of work in the Proposal for Services and is conditional upon the assumptions described herein. The report must be considered in its entirety and must only be used for the purpose for which it was intended.

GCA has conducted an independent audit examination, as of December 31, 2018, of the crude oil and natural gas volumes expected to be produced in the Ambrosía, Río Opia, Maná, Llanos 47 and Altair concessions. On the basis of technical and other information made available to GCA concerning these property units, GCA hereby provides the reserves statement in the following table:

**Statement of Remaining Hydrocarbon Volumes
Ambrosía, Río Opía, Maná, Llanos 47 and Altair Areas, Colombia
as of December 31, 2018**

| Reserves | Gross (100%) Volumes | | Interoil's Working Interest volumes | | Reserves Net to Interoil's Interest | |
|-----------------|----------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|
| | Liquids (MMBbl) | Gas (Bcf) | Liquids (MMBbl) | Gas (Bcf) | Liquids (MMBbl) | Gas (Bcf) |
| Proved | | | | | | |
| Developed | 0.94 | 2.87 | 0.66 | 2.01 | 0.62 | 1.88 |
| Undeveloped | 0.22 | 0.92 | 0.16 | 0.64 | 0.14 | 0.60 |
| Total 1P | 1.16 | 3.79 | 0.82 | 2.65 | 0.76 | 2.48 |
| Total 2P | 1.42 | 4.63 | 1.01 | 3.24 | 0.94 | 3.03 |
| Total 3P | 1.84 | 6.20 | 1.30 | 4.34 | 1.21 | 4.06 |

Note: Totals may not add due to rounding

Hydrocarbon liquid volumes represent crude oil estimated to be recovered during field separation and are reported in million of stock tank barrels (MMBbl). Natural gas volumes are reported in billion (10⁹) standard cubic feet (Bcf) at standard condition of 14.7 psia and 60°F. Net interest gas reserves represent expected gas sales and have been reduced for fuel usage in the field (6.9%). Royalties payable to the state and other royalty interest owners have been deducted from reported net interest volumes. Individual reserves statements for each area are provided in Appendix I.

Gas reserves sales volumes are based on firm and existing gas contracts, or on the reasonable expectation of a contract or on the reasonable expectation that any such existing gas sales contracts will be renewed on similar terms in the future.

Contingent Resources for the 1C, 2C and 3C categories were estimated as the extrapolation of the production of the concessions to December 2042 corresponding to the existing wells and ten future wells from the development program, without any consideration of commerciality, as follows:

**Statement of Contingent Resources
Maná, Río Opía, Ambrosía, Llanos 47 and Altair Areas, Colombia
Gross (100%) Volumes as of December 31, 2018**

| Area | Crude Oil (MMBbl) | | | Natural Gas (Bcf) | | |
|--------------|-------------------|--------------|--------------|-------------------|--------------|--------------|
| | 1C | 2C | 3C | 1C | 2C | 3C |
| Llanos 47 | 0.384 | 0.685 | 1.075 | - | - | - |
| Altair | - | - | - | - | - | - |
| Ambrosía | 0.035 | 0.066 | 0.126 | - | - | - |
| Río Opía | 0.026 | 0.065 | 0.131 | 0.054 | 0.126 | 0.245 |
| Maná | 0.143 | 0.651 | 1.285 | 0.437 | 1.816 | 3.531 |
| Total | 0.588 | 1.467 | 2.618 | 0.491 | 1.942 | 3.776 |

Note: Totals may not add due to rounding

Hydrocarbon liquid volumes represent crude oil estimated to be recovered during field separation and are reported in million barrel increments (MMBbl). Natural gas volumes are reported in billion (10⁹) standard cubic feet (Bcf) at standard condition of 14.7 psia and 60°F.

Volumes reported as Contingent Resources represent gross (100% interest) volumes without royalty or gas consumption deductions.

Ambrosía, Maná and Río Opia Areas

Interoil operates these three areas under concession contracts with the following characteristics:

| Area | Working Interest (%) | Royalty Oil (%) | Royalty Gas (%) | Contract Deadline |
|-------------|-----------------------------|------------------------|------------------------|--------------------------|
| Ambrosía | 70 | 8 | 6.4 | 27-Dec-2027 |
| Río Opia | 70 | 8 | 6.4 | 23-Jun-2030 |
| Maná | 70 | 8 | 6.4 | 12-Nov-2028 |

Developed Producing reserves were estimated by extrapolating the present production by decline curve analysis.

Undeveloped reserves for each category were estimated by Interoil, and reviewed by GCA, for the proposed 2019 drilling campaign (four wells in Maná) and workover campaign (Five wells in Maná and one in Rio Opia). The estimates for each location were based on performance of similar existing wells in the area.

Solution gas reserves in Maná and Río Opia were estimated through extrapolation of the producing gas-oil ratios. The resulting volumes were reduced by 6.9% for consumption.

Llanos 47 and Altair Areas

These areas are operated by Interoil under the following conditions

| Area | Working Interest (%) | Royalty Oil (%) | Royalty Gas (%) | Contract Deadline |
|-------------|-----------------------------|------------------------|------------------------|--------------------------|
| Altair | 90 | 8 | --- | 27-Dec-2035 |
| Llanos 47 | 78 / 60 | 8 | --- | 10-Feb-2020 |

Interoil operates the Altair area under an exploitation contract that expires in 2035. The field is currently shut in due to environmental issues.

Interoil also operates the Llanos 47 area with 78% participation on the production and on the operating expenses. Capital expenses participation is of 60%. Royalty of 8% and ANH participation of 15% on the production are paid in cash as stated by contract and are considered expenses rather than participations in the production. The Llanos 47 area is under an exploration contract that expires in 2020.

The area has one well (Vikingo) drilled in 2017 producing from the C5 layer of the Carbonera formation.

Developed producing reserves were estimated from the extrapolation of the current oil production until the present contract end.

Developed non producing reserves were estimated by InterOil, and reviewed by GCA. Vikingo 1 C7 formation will be put back on production by removing a plug and produced commingle with the current C5 interval through the end of the contract.

The extrapolation of the production beyond contract end up to December 31, 2042 has been classified as Contingent Resources.

Undeveloped Contingent Resources were assigned to a second well (Malevo) to be drilled in the future, south of the former and targeting the same reservoirs found by the Vikingo well.

The commerciality declaration of the Vikingo / Malevo area inside of the Llanos 47 exploration area, expected to be issued by InterOil in 2019 would allow the mentioned Contingent Resources be re-classified under the Reserves category.

Economic Limit Tests

The economic tests for the December 31, 2018 reserves volumes were based on a crude oil price scenario provided by InterOil of US\$62.00/Bbl for the 2019 average Brent price. The oil sales price for Río Opia, Maná and Ambrosía was estimated as the Brent scenario with a discount of US\$3.00/Bbl while for the Altair and Llanos 47 areas the discount was of US\$0.50/Bbl.

The Mana and Río Opia gas sales price for 2019 was estimated by InterOil at US\$2.90/Mscf.

Future capital costs were derived from development program forecasts prepared by InterOil for each field with an average development well cost of US\$ 1.05 million/well, and US\$ 0.1 million on workovers and facilities. Recent historical operating expense data were used as the basis for operating cost projections. Estimated OPEX drivers and transportation costs for 2019 are presented in the following table:

OPEX Drivers and Transportation Costs for 2019

| Drivers and Costs | Ambrosia | Río Opia | Maná | Llanos 47 |
|-------------------------------|----------|----------|-------|-----------|
| Fixed OPEX (US\$/yr) | 76.4 | 100 | 1,754 | 900 |
| Variable OPEX (US\$/Bbl) | 0.68 | 1.47 | 2.17 | 5.52 |
| Variable OPEX (US\$/yr/well) | 13.03 | 10.62 | 17.76 | 18.00 |
| Oil Transportation (US\$/Bbl) | 5.85 | 5.85 | 5.84 | 11.48 |

Resulting cash flows are provided in Appendix II.

Upon Client request cash flows for the Agencia Nacional de Hidrocarburos" (ANH) of Colombia, are provided at an oil reference price of US\$64.56/Bbl in Appendix V.

Reserves and Resources Assessment

This audit examination was based on reserves and resources estimates and other information provided by InterOil to GCA through February 2019, and included such tests, procedures and adjustments as were considered necessary. All questions that arose during the audit process were resolved to GCA's satisfaction.

It is GCA's opinion that the estimates of total remaining recoverable hydrocarbon liquid and gas volumes, as of December 31, 2018, are, in the aggregate, reasonable and the reserves and resources categorization is appropriate and consistent with the definitions for reserves and resources in the Petroleum Resources Management System (PRMS), which was approved by the Society of Petroleum Engineers, the World Petroleum Council, the American Association of Petroleum Geologists and the Society of Petroleum Evaluation Engineers in June 2018 (see Appendix III).

GCA concludes that the methodologies employed by InterOil in the derivation of the reserves and resources estimates are appropriate, and that the quality of the data relied upon and the depth and thoroughness of the reserves and resources estimation process is adequate.

Basis of Opinion

This document reflects GCA's informed professional judgment based on accepted standards of professional investigation and, as applicable, the data and information provided by the Client, the limited scope of engagement, and the time permitted to conduct the evaluation.

In line with those accepted standards, this document does not in any way constitute or make a guarantee or prediction of results, and no warranty is implied or expressed that actual outcome will conform to the outcomes presented herein. GCA has not independently verified any information provided by, or at the direction of, the Client, and has accepted the accuracy and completeness of this data. GCA has no reason to believe that any material facts have been withheld, but does not warrant that its inquiries have revealed all of the matters that a more extensive examination might otherwise disclose.

The opinions expressed herein are subject to and fully qualified by the generally accepted uncertainties associated with the interpretation of geoscience and engineering data and do not reflect the totality of circumstances, scenarios and information that could potentially affect decisions made by the report's recipients and/or actual results. The opinions and statements contained in this report are made in good faith and in the belief that such opinions and statements are representative of prevailing physical and economic circumstances.

There are numerous uncertainties inherent in estimating reserves and resources, and in projecting future production, development expenditures, operating expenses and cash flows. Oil and gas resources assessments must be recognized as a subjective process of estimating subsurface accumulations of oil and gas that cannot be measured in an exact way. Estimates of oil and gas resources prepared by other parties may differ, perhaps materially, from those contained within this report.

The accuracy of any resource estimate is a function of the quality of the available data and of engineering and geological interpretation. Results of drilling, testing and production that post-date the preparation of the estimates may justify revisions, some or all of which may be material. Accordingly, resource estimates are often different from the quantities of oil and gas that are ultimately recovered, and the timing and cost of those volumes that are recovered may vary from that assumed.

GCA's review and audit involved reviewing pertinent facts, interpretations and assumptions made by the Client or others in preparing estimates of reserves and resources. GCA performed procedures necessary to enable it to render an opinion on the appropriateness of the methodologies employed, adequacy and quality of the data relied on, depth and thoroughness of the reserves and resources estimation process, classification and categorization of reserves and resources appropriate to the relevant definitions used, and reasonableness of the estimates.

Definition of Reserves and Resources

Reserves are those quantities of petroleum that are anticipated to be commercially recoverable by application of development projects to known accumulations from a given date forward under defined conditions. Reserves must further satisfy four criteria, based on the development project(s) applied: discovered, recoverable, commercial and remaining (as of the evaluation date).

GCA is not aware of any potential changes in regulations applicable to these fields that could affect the ability of the Client to produce the estimated reserves and resources.

Reserves are further categorized in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterized by development and production status. All categories of reserves volumes quoted herein have been derived within the context of an economic limit test (ELT) assessment (pre-tax and exclusive of accumulated depreciation amounts) prior to any Net Present Value (NPV) analysis.

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

It must be appreciated that the Contingent Resources reported herein are unrisks in terms of economic uncertainty and commerciality. There is no certainty that it will be commercially viable to produce any portion of the Contingent Resources. Once discovered, the chance that the accumulation will be commercially developed is referred to as the "chance of development" (per PRMS).

GCA has not undertaken a site visit or inspection because it was not considered relevant for the purpose of this report. As such, GCA is not in a position to comment on the operations or facilities in place, their appropriateness and condition, or whether they are in compliance with the

regulations pertaining to such operations. Further, GCA is not in a position to comment on any aspect of health, safety, or environment of such operation.

This report has been prepared based on GCA's understanding of the effects of petroleum legislation and other regulations that currently apply to these properties. However, GCA is not in a position to attest to property title or rights, conditions of these rights (including environmental and abandonment obligations), or any necessary licenses and consents (including planning permission, financial interest relationships, or encumbrances thereon for any part of the appraised properties).

Qualifications

In performing this study, GCA is not aware that any conflict of interest has existed. As an independent consultancy, GCA is providing impartial technical, commercial, and strategic advice within the energy sector. GCA's remuneration was not in any way contingent on the contents of this report.

In the preparation of this document, GCA has maintained, and continues to maintain, a strict independent consultant-client relationship with the Client. Furthermore, the management and employees of GCA have no interest in any of the assets evaluated or related with the analysis performed, as part of this report.

Staff members who prepared this report hold appropriate professional and educational qualifications and have the necessary levels of experience and expertise to perform the work.

Notice

This document is confidential and has been prepared for the exclusive use of the Client or parties named herein. It may not be distributed or made available, in whole or in part, to any other company or person without the prior knowledge and written consent of Gaffney, Cline & Associates (GCA). No person or company other than those for whom it is intended may directly or indirectly rely upon its contents. GCA is acting in an advisory capacity only and, to the fullest extent permitted by law, disclaims all liability for actions or losses derived from any actual or purported reliance on this document (or any other statements or opinions of GCA) by the Client or by any other person or entity.

Yours sincerely,

Gaffney, Cline & Associates



Project Manager

Rafael Cullen, *Reservoir Engineer*



Reviewed by

Roberto Wainhaus, *Technical Director*

Appendices

| | |
|--------------|---|
| Appendix I | Field Reserves Statements |
| Appendix II | Reserves Cash Flows |
| Appendix III | PRMS Reserves Definitions |
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| Appendix V | Reserves Cash Flows @ ANH reference oil price |

Appendix I

Field Reserves Statements

Statement of Remaining Hydrocarbon Volumes
Ambrosía, Río Opía, Maná and Llanos 47 Concessions, Colombia
as of December 31, 2018

| | | Gross (100%) Field Volumes | | Interoil's Working Interest | | Reserves Net to Interoil's Interest | |
|--|--------------|----------------------------|--------------------|-----------------------------|--------------------|-------------------------------------|--------------------|
| | | Crude Oil (MMstb) | Natural Gas (Bscf) | Crude Oil (MMstb) | Natural Gas (Bscf) | Crude Oil (MMstb) | Natural Gas (Bscf) |
| T o t a l | Proved | | | | | | |
| | Developed | 0.904 | 2.873 | 0.639 | 2.011 | 0.593 | 1.883 |
| | Developed NP | 0.033 | 0.000 | 0.026 | 0.000 | 0.026 | 0.000 |
| | Undeveloped | 0.223 | 0.915 | 0.156 | 0.641 | 0.144 | 0.600 |
| | Total 1P | 1.16 | 3.79 | 0.82 | 2.65 | 0.76 | 2.48 |
| | Total 2P | 1.42 | 4.63 | 1.01 | 3.24 | 0.94 | 3.03 |
| | Total 3P | 1.84 | 6.20 | 1.30 | 4.34 | 1.21 | 4.06 |
| L l a n o s | Proved | | | | | | |
| | Developed | 0.079 | 0.000 | 0.062 | 0.000 | 0.062 | 0.000 |
| | Developed NP | 0.033 | 0.000 | 0.026 | 0.000 | 0.026 | 0.000 |
| | Undeveloped | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | Total 1P | 0.112 | 0.000 | 0.088 | 0.000 | 0.088 | 0.000 |
| | Total 2P | 0.156 | 0.000 | 0.122 | 0.000 | 0.122 | 0.000 |
| | Total 3P | 0.190 | 0.000 | 0.148 | 0.000 | 0.148 | 0.000 |
| A m b r o | Proved | | | | | | |
| | Developed | 0.058 | 0.000 | 0.041 | 0.000 | 0.037 | 0.000 |
| | Undeveloped | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | Total 1P | 0.058 | 0.000 | 0.041 | 0.000 | 0.037 | 0.000 |
| | Total 2P | 0.060 | 0.000 | 0.042 | 0.000 | 0.039 | 0.000 |
| | Total 3P | 0.061 | 0.000 | 0.043 | 0.000 | 0.040 | 0.000 |
| R i o | Proved | | | | | | |
| | Developed | 0.034 | 0.142 | 0.024 | 0.099 | 0.022 | 0.093 |
| | Undeveloped | 0.002 | 0.010 | 0.002 | 0.007 | 0.001 | 0.006 |
| | Total 1P | 0.036 | 0.151 | 0.026 | 0.106 | 0.023 | 0.099 |
| | Total 2P | 0.047 | 0.195 | 0.033 | 0.136 | 0.030 | 0.128 |
| Total 3P | 0.059 | 0.248 | 0.042 | 0.173 | 0.038 | 0.162 | |
| M a n a | Proved | | | | | | |
| | Developed | 0.733 | 2.732 | 0.513 | 1.912 | 0.472 | 1.790 |
| | Undeveloped | 0.221 | 0.906 | 0.155 | 0.634 | 0.142 | 0.593 |
| | Total 1P | 0.954 | 3.637 | 0.668 | 2.546 | 0.614 | 2.383 |
| | Total 2P | 1.157 | 4.432 | 0.810 | 3.103 | 0.745 | 2.904 |
| Total 3P | 1.528 | 5.951 | 1.070 | 4.166 | 0.984 | 3.899 | |

Note 1: Crude oil in thousands of stock tank barrels. Natural gas in millions of cubic feet.

Note 2: Totals may not add due to rounding

Appendix II Reserves Cash Flows

Interoil Colombia Exploración y Producción
Net Revenue Interest Reserve Cash Flows
Properties in Colombia
as of December 31, 2018

Mana

Proved Developed Reserves (PD)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 105.7 | 452 | 421 | 7.46 | 0.67 | 1.68 | 0.14 | 4.97 |
| 2020 | 86.6 | 366 | 340 | 6.10 | 0.55 | 1.59 | (0.00) | 3.96 |
| 2021 | 70.0 | 288 | 268 | 4.91 | 0.44 | 1.48 | (0.00) | 2.99 |
| 2022 | 56.8 | 232 | 216 | 3.98 | 0.36 | 1.37 | (0.00) | 2.24 |
| 2023 | 45.3 | 179 | 167 | 3.16 | 0.29 | 1.26 | (0.00) | 1.61 |
| 2024 | 36.3 | 140 | 130 | 2.52 | 0.23 | 1.15 | (0.00) | 1.14 |
| 2025 | 29.1 | 110 | 102 | 2.01 | 0.18 | 1.06 | (0.00) | 0.77 |
| 2026 | 23.2 | 86 | 81 | 1.60 | 0.15 | 0.97 | (0.00) | 0.49 |
| 2027 | 18.7 | 69 | 64 | 1.29 | 0.12 | 0.89 | (0.00) | 0.28 |
| 2028 | (0.00) | (0) | (0) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| 2029 | (0.00) | (0) | (0) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| TOTAL | 471.8 | 1,922 | 1,790 | 33.03 | 2.99 | 11.45 | 0.14 | 18.44 |

Mana

Proved Reserves (1P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 129.3 | 558 | 519 | 9.13 | 0.82 | 1.72 | 3.50 | 3.09 |
| 2020 | 137.2 | 592 | 551 | 9.69 | 0.87 | 1.72 | (0.00) | 7.09 |
| 2021 | 100.4 | 424 | 395 | 7.07 | 0.64 | 1.57 | (0.00) | 4.86 |
| 2022 | 74.5 | 311 | 290 | 5.24 | 0.47 | 1.44 | (0.00) | 3.32 |
| 2023 | 55.9 | 227 | 211 | 3.91 | 0.35 | 1.32 | (0.00) | 2.24 |
| 2024 | 42.6 | 168 | 156 | 2.97 | 0.27 | 1.21 | (0.00) | 1.48 |
| 2025 | 32.4 | 125 | 116 | 2.25 | 0.21 | 1.12 | (0.00) | 0.92 |
| 2026 | 23.2 | 87 | 81 | 1.60 | 0.15 | 0.97 | (0.00) | 0.49 |
| 2027 | 18.7 | 69 | 64 | 1.29 | 0.12 | 0.90 | (0.00) | 0.27 |
| 2028 | (0.00) | (0) | (0) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| 2029 | (0.00) | (0) | (0) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| TOTAL | 614.1 | 2,560 | 2,383 | 43.15 | 3.90 | 11.98 | 3.50 | 23.77 |

Mana

Proved & Probable Reserves (2P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 144.5 | 620 | 578 | 10.20 | 0.92 | 1.76 | 3.50 | 4.02 |
| 2020 | 170.1 | 735 | 684 | 12.02 | 1.08 | 1.81 | | 9.13 |
| 2021 | 122.7 | 520 | 484 | 8.64 | 0.78 | 1.65 | | 6.21 |
| 2022 | 91.0 | 382 | 355 | 6.40 | 0.58 | 1.52 | | 4.30 |
| 2023 | 67.9 | 281 | 262 | 4.77 | 0.43 | 1.39 | | 2.95 |
| 2024 | 52.4 | 209 | 194 | 3.65 | 0.33 | 1.28 | | 2.04 |
| 2025 | 40.8 | 160 | 149 | 2.84 | 0.26 | 1.19 | | 1.39 |
| 2026 | 32.5 | 125 | 116 | 2.25 | 0.21 | 1.10 | | 0.95 |
| 2027 | 23.4 | 87 | 81 | 1.62 | 0.15 | 0.95 | | 0.52 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 745.1 | 3,119 | 2,904 | 52.38 | 4.73 | 12.64 | 3.50 | 31.52 |

Mana

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 175.2 | 758 | 706 | 12.38 | 1.11 | 1.82 | 3.50 | 5.95 |
| 2020 | 241.0 | 1,053 | 980 | 17.06 | 1.53 | 1.94 | | 13.59 |
| 2021 | 167.3 | 721 | 671 | 11.82 | 1.06 | 1.75 | | 9.01 |
| 2022 | 119.6 | 509 | 474 | 8.43 | 0.76 | 1.59 | | 6.08 |
| 2023 | 88.4 | 374 | 348 | 6.23 | 0.56 | 1.46 | | 4.20 |
| 2024 | 66.4 | 275 | 256 | 4.66 | 0.42 | 1.34 | | 2.89 |
| 2025 | 51.9 | 208 | 193 | 3.62 | 0.33 | 1.26 | | 2.04 |
| 2026 | 41.0 | 161 | 150 | 2.86 | 0.26 | 1.16 | | 1.43 |
| 2027 | 33.5 | 129 | 120 | 2.33 | 0.21 | 1.08 | | 1.04 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 984.2 | 4,188 | 3,899 | 69.38 | 6.25 | 13.39 | 3.50 | 46.24 |

Llanos

Proved Developed Reserves (PD)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 56.4 | | 3.47 | 0.55 | 0.96 | | 1.96 |
| 2020 | 5.5 | | 0.34 | 0.05 | 0.16 | | 0.12 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 61.9 | 0 | 3.80 | 0.60 | 1.12 | 0.00 | 2.08 |

Llanos

Proved Reserves (1P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 78.0 | | 4.80 | 0.76 | 1.01 | 0.02 | 3.01 |
| 2020 | 9.6 | | 0.59 | 0.09 | 0.17 | | 0.33 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 87.6 | 0 | 5.39 | 0.85 | 1.18 | 0.02 | 3.34 |

Llanos

Proved & Probable Reserves (2P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 106.4 | | 6.55 | 1.04 | 1.08 | 0.02 | 4.41 |
| 2020 | 15.6 | | 0.96 | 0.15 | 0.18 | | 0.62 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 122.0 | 0 | 7.50 | 1.19 | 1.26 | 0.02 | 5.04 |

Llanos

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 127.4 | | 7.84 | 1.24 | 1.13 | 0.02 | 5.45 |
| 2020 | 20.5 | | 1.26 | 0.20 | 0.19 | | 0.87 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 147.9 | 0 | 9.10 | 1.44 | 1.32 | 0.02 | 6.32 |

Ambrosia

Proved Developed Reserves (PD)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.39 | 0.04 | 0.09 | | 0.26 |
| 2020 | 5.6 | | 0.33 | 0.04 | 0.09 | | 0.21 |
| 2021 | 4.7 | | 0.28 | 0.03 | 0.08 | | 0.16 |
| 2022 | 3.7 | | 0.22 | 0.02 | 0.07 | | 0.12 |
| 2023 | 3.4 | | 0.20 | 0.02 | 0.07 | | 0.10 |
| 2024 | 3.2 | | 0.19 | 0.02 | 0.07 | | 0.09 |
| 2025 | 2.9 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2026 | 2.7 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2027 | 2.5 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2028 | 2.3 | | 0.14 | 0.01 | 0.07 | | 0.05 |
| 2029 | | | | | | | |
| TOTAL | 37.5 | 0 | 2.21 | 0.24 | 0.77 | 0.00 | 1.20 |

Ambrosia

Proved Reserves (1P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.39 | 0.04 | 0.09 | | 0.26 |
| 2020 | 5.6 | | 0.33 | 0.04 | 0.09 | | 0.21 |
| 2021 | 4.7 | | 0.28 | 0.03 | 0.08 | | 0.16 |
| 2022 | 3.7 | | 0.22 | 0.02 | 0.07 | | 0.12 |
| 2023 | 3.4 | | 0.20 | 0.02 | 0.07 | | 0.10 |
| 2024 | 3.2 | | 0.19 | 0.02 | 0.07 | | 0.09 |
| 2025 | 2.9 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2026 | 2.7 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2027 | 2.5 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2028 | 2.3 | | 0.14 | 0.01 | 0.07 | | 0.05 |
| 2029 | | | | | | | |
| TOTAL | 37.5 | 0 | 2.21 | 0.24 | 0.77 | 0.00 | 1.20 |

Ambrosia

Proved & Probable Reserves (2P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.39 | 0.04 | 0.09 | | 0.26 |
| 2020 | 5.7 | | 0.33 | 0.04 | 0.09 | | 0.21 |
| 2021 | 4.9 | | 0.29 | 0.03 | 0.08 | | 0.17 |
| 2022 | 3.9 | | 0.23 | 0.02 | 0.07 | | 0.13 |
| 2023 | 3.5 | | 0.20 | 0.02 | 0.07 | | 0.11 |
| 2024 | 3.2 | | 0.19 | 0.02 | 0.07 | | 0.10 |
| 2025 | 3.0 | | 0.18 | 0.02 | 0.07 | | 0.08 |
| 2026 | 2.8 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2027 | 2.6 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2028 | 2.4 | | 0.14 | 0.02 | 0.07 | | 0.05 |
| 2029 | | | | | | | |
| TOTAL | 38.5 | 0 | 2.27 | 0.24 | 0.77 | 0.00 | 1.25 |

Ambrosia

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.39 | 0.04 | 0.09 | | 0.26 |
| 2020 | 5.7 | | 0.34 | 0.04 | 0.09 | | 0.22 |
| 2021 | 5.0 | | 0.30 | 0.03 | 0.08 | | 0.18 |
| 2022 | 4.3 | | 0.25 | 0.03 | 0.08 | | 0.14 |
| 2023 | 3.5 | | 0.21 | 0.02 | 0.07 | | 0.11 |
| 2024 | 3.3 | | 0.19 | 0.02 | 0.07 | | 0.10 |
| 2025 | 3.1 | | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2026 | 2.9 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2027 | 2.7 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2028 | 2.5 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2029 | | | | | | | |
| TOTAL | 39.6 | 0 | 2.34 | 0.25 | 0.78 | 0.00 | 1.30 |

Rio Opia

Proved Developed Reserves (PD)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|-------------|------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 6.1 | 26 | 24 | 0.43 | 0.04 | 0.09 | | 0.30 |
| 2020 | 4.9 | 21 | 20 | 0.35 | 0.03 | 0.09 | | 0.23 |
| 2021 | 3.9 | 17 | 16 | 0.28 | 0.03 | 0.09 | | 0.16 |
| 2022 | 2.7 | 12 | 11 | 0.19 | 0.02 | 0.08 | | 0.10 |
| 2023 | 1.8 | 9 | 9 | 0.13 | 0.01 | 0.07 | | 0.05 |
| 2024 | 1.5 | 8 | 7 | 0.11 | 0.01 | 0.07 | | 0.03 |
| 2025 | 0.9 | 6 | 6 | 0.07 | 0.01 | 0.06 | | 0.00 |
| 2026 | | | | | | | | |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 22.0 | 100 | 93 | 1.57 | 0.14 | 0.56 | 0.00 | 0.87 |

Rio Opia

Proved Reserves (1P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|-------------|------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 6.9 | 30 | 28 | 0.48 | 0.04 | 0.09 | 0.05 | 0.30 |
| 2020 | 5.7 | 25 | 23 | 0.40 | 0.04 | 0.09 | | 0.27 |
| 2021 | 3.9 | 17 | 16 | 0.28 | 0.03 | 0.09 | | 0.16 |
| 2022 | 2.7 | 12 | 11 | 0.19 | 0.02 | 0.08 | | 0.10 |
| 2023 | 1.8 | 9 | 9 | 0.13 | 0.01 | 0.07 | | 0.05 |
| 2024 | 1.5 | 8 | 7 | 0.11 | 0.01 | 0.07 | | 0.03 |
| 2025 | 0.9 | 6 | 6 | 0.07 | 0.01 | 0.06 | | 0.00 |
| 2026 | | | | | | | | |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 23.5 | 106 | 99 | 1.67 | 0.15 | 0.56 | 0.05 | 0.91 |

Rio Opia

Proved & Probable Reserves (2P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 7.6 | 33 | 31 | 0.54 | 0.05 | 0.09 | 0.05 | 0.34 |
| 2020 | 6.6 | 29 | 27 | 0.47 | 0.04 | 0.09 | | 0.33 |
| 2021 | 5.3 | 23 | 22 | 0.37 | 0.03 | 0.09 | | 0.25 |
| 2022 | 4.1 | 18 | 17 | 0.29 | 0.03 | 0.09 | | 0.17 |
| 2023 | 2.4 | 12 | 11 | 0.17 | 0.02 | 0.07 | | 0.09 |
| 2024 | 1.7 | 9 | 8 | 0.12 | 0.01 | 0.07 | | 0.04 |
| 2025 | 1.4 | 7 | 7 | 0.10 | 0.01 | 0.07 | | 0.02 |
| 2026 | 1.0 | 6 | 6 | 0.07 | 0.01 | 0.06 | | 0.00 |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 30.1 | 137 | 128 | 2.14 | 0.19 | 0.65 | 0.05 | 1.26 |

Rio Opia

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 8.2 | 36 | 33 | 0.58 | 0.05 | 0.09 | 0.05 | 0.38 |
| 2020 | 7.4 | 33 | 30 | 0.52 | 0.05 | 0.09 | | 0.38 |
| 2021 | 6.0 | 26 | 25 | 0.42 | 0.04 | 0.09 | | 0.29 |
| 2022 | 4.9 | 22 | 20 | 0.35 | 0.03 | 0.09 | | 0.23 |
| 2023 | 3.5 | 16 | 15 | 0.25 | 0.02 | 0.07 | | 0.15 |
| 2024 | 2.8 | 14 | 13 | 0.20 | 0.02 | 0.07 | | 0.11 |
| 2025 | 2.4 | 12 | 11 | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2026 | 1.8 | 9 | 9 | 0.13 | 0.01 | 0.07 | | 0.05 |
| 2027 | 1.1 | 6 | 6 | 0.08 | 0.01 | 0.07 | | 0.01 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 38.2 | 174 | 162 | 2.72 | 0.24 | 0.73 | 0.05 | 1.70 |

Appendix III PRMS Reserves Definitions

**Society of Petroleum Engineers, World Petroleum Council,
American Association of Petroleum Geologists, Society of Petroleum Evaluation Engineers,
Society of Exploration Geophysicists, Society of Petrophysicists and Well Log Analysts,
and European Association of Geoscientists & Engineers**

Petroleum Resources Management System

Definitions and Guidelines (1)

(Revised June 2018)

Table 1—Recoverable Resources Classes and Sub-Classes

| Class/Sub-Class | Definition | Guidelines |
|-----------------|---|--|
| Reserves | Reserves are those quantities of petroleum anticipated to be commercially recoverable by application of development projects to known accumulations from a given date forward under defined conditions. | <p>Reserves must satisfy four criteria: discovered, recoverable, commercial, and remaining based on the development project(s) applied. Reserves are further categorized in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterized by the development and production status.</p> <p>To be included in the Reserves class, a project must be sufficiently defined to establish its commercial viability (see Section 2.1.2, Determination of Commerciality). This includes the requirement that there is evidence of firm intention to proceed with development within a reasonable time-frame.</p> <p>A reasonable time-frame for the initiation of development depends on the specific circumstances and varies according to the scope of the project. While five years is recommended as a benchmark, a longer time-frame could be applied where, for example, development of an economic project is deferred at the option of the producer for, among other things, market-related reasons or to meet contractual or strategic objectives. In all cases, the justification for classification as Reserves should be clearly documented.</p> <p>To be included in the Reserves class, there must be a high confidence in the commercial maturity and economic producibility of the reservoir as supported by actual production or formation tests. In certain cases, Reserves may be assigned on the basis of well logs and/or core analysis that indicate that the subject reservoir is hydrocarbon-bearing and is analogous to reservoirs in the same area that are producing or have demonstrated the ability to produce on formation tests.</p> |

¹ These Definitions and Guidelines are extracted from the full Petroleum Resources Management System (revised June 2018) document.

| Class/Sub-Class | Definition | Guidelines |
|----------------------------------|---|---|
| On Production | The development project is currently producing or capable of producing and selling petroleum to market. | <p>The key criterion is that the project is receiving income from sales, rather than that the approved development project is necessarily complete. Includes Developed Producing Reserves.</p> <p>The project decision gate is the decision to initiate or continue economic production from the project.</p> |
| Approved for Development | All necessary approvals have been obtained, capital funds have been committed, and implementation of the development project is ready to begin or is under way. | <p>At this point, it must be certain that the development project is going ahead. The project must not be subject to any contingencies, such as outstanding regulatory approvals or sales contracts. Forecast capital expenditures should be included in the reporting entity's current or following year's approved budget.</p> <p>The project decision gate is the decision to start investing capital in the construction of production facilities and/or drilling development wells.</p> |
| Justified for Development | Implementation of the development project is justified on the basis of reasonable forecast commercial conditions at the time of reporting, and there are reasonable expectations that all necessary approvals/contracts will be obtained. | <p>To move to this level of project maturity, and hence have Reserves associated with it, the development project must be commercially viable at the time of reporting (see Section 2.1.2, Determination of Commerciality) and the specific circumstances of the project. All participating entities have agreed and there is evidence of a committed project (firm intention to proceed with development within a reasonable time-frame)) There must be no known contingencies that could preclude the development from proceeding (see Reserves class).</p> <p>The project decision gate is the decision by the reporting entity and its partners, if any, that the project has reached a level of technical and commercial maturity sufficient to justify proceeding with development at that point in time.</p> |
| Contingent Resources | Those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations by application of development projects, but which are not currently considered to be commercially recoverable owing to one or more contingencies. | <p>Contingent Resources may include, for example, projects for which there are currently no viable markets, where commercial recovery is dependent on technology under development, where evaluation of the accumulation is insufficient to clearly assess commerciality, where the development plan is not yet approved, or where regulatory or social acceptance issues may exist.</p> <p>Contingent Resources are further categorized in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterized by the economic status.</p> |

| Class/Sub-Class | Definition | Guidelines |
|--------------------------------|--|--|
| Development Pending | A discovered accumulation where project activities are ongoing to justify commercial development in the foreseeable future. | <p>The project is seen to have reasonable potential for eventual commercial development, to the extent that further data acquisition (e.g., drilling, seismic data) and/or evaluations are currently ongoing with a view to confirming that the project is commercially viable and providing the basis for selection of an appropriate development plan. The critical contingencies have been identified and are reasonably expected to be resolved within a reasonable time-frame. Note that disappointing appraisal/evaluation results could lead to a reclassification of the project to On Hold or Not Viable status.</p> <p>The project decision gate is the decision to undertake further data acquisition and/or studies designed to move the project to a level of technical and commercial maturity at which a decision can be made to proceed with development and production.</p> |
| Development on Hold | A discovered accumulation where project activities are on hold and/or where justification as a commercial development may be subject to significant delay. | <p>The project is seen to have potential for commercial development. Development may be subject to a significant time delay. Note that a change in circumstances, such that there is no longer a probable chance that a critical contingency can be removed in the foreseeable future, could lead to a reclassification of the project to Not Viable status.</p> <p>The project decision gate is the decision to either proceed with additional evaluation designed to clarify the potential for eventual commercial development or to temporarily suspend or delay further activities pending resolution of external contingencies.</p> |
| Development Unclarified | A discovered accumulation where project activities are under evaluation and where justification as a commercial development is unknown based on available information. | <p>The project is seen to have potential for eventual commercial development, but further appraisal/evaluation activities are ongoing to clarify the potential for eventual commercial development.</p> <p>This sub-class requires active appraisal or evaluation and should not be maintained without a plan for future evaluation. The sub-class should reflect the actions required to move a project toward commercial maturity and economic production.</p> |
| Development Not Viable | A discovered accumulation for which there are no current plans to develop or to acquire additional data at the time because of limited production potential. | <p>The project is not seen to have potential for eventual commercial development at the time of reporting, but the theoretically recoverable quantities are recorded so that the potential opportunity will be recognized in the event of a major change in technology or commercial conditions.</p> <p>The project decision gate is the decision not to undertake further data acquisition or studies on the project for the foreseeable future.</p> |

| Class/Sub-Class | Definition | Guidelines |
|------------------------------|--|--|
| Prospective Resources | Those quantities of petroleum that are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations. | Potential accumulations are evaluated according to the chance of geologic discovery and, assuming a discovery, the estimated quantities that would be recoverable under defined development projects. It is recognized that the development programs will be of significantly less detail and depend more heavily on analog developments in the earlier phases of exploration. |
| Prospect | A project associated with a potential accumulation that is sufficiently well defined to represent a viable drilling target. | Project activities are focused on assessing the chance of geologic discovery and, assuming discovery, the range of potential recoverable quantities under a commercial development program. |
| Lead | A project associated with a potential accumulation that is currently poorly defined and requires more data acquisition and/or evaluation to be classified as a Prospect. | Project activities are focused on acquiring additional data and/or undertaking further evaluation designed to confirm whether or not the Lead can be matured into a Prospect. Such evaluation includes the assessment of the chance of geologic discovery and, assuming discovery, the range of potential recovery under feasible development scenarios. |
| Play | A project associated with a prospective trend of potential prospects, but that requires more data acquisition and/or evaluation to define specific Leads or Prospects. | Project activities are focused on acquiring additional data and/or undertaking further evaluation designed to define specific Leads or Prospects for more detailed analysis of their chance of geologic discovery and, assuming discovery, the range of potential recovery under hypothetical development scenarios. |

Table 2—Reserves Status Definitions and Guidelines

| Status | Definition | Guidelines |
|---|--|--|
| Developed Reserves | Expected quantities to be recovered from existing wells and facilities. | Reserves are considered developed only after the necessary equipment has been installed, or when the costs to do so are relatively minor compared to the cost of a well. Where required facilities become unavailable, it may be necessary to reclassify Developed Reserves as Undeveloped. Developed Reserves may be further sub-classified as Producing or Non-producing. |
| Developed Producing Reserves | Expected quantities to be recovered from completion intervals that are open and producing at the effective date of the estimate. | Improved recovery Reserves are considered producing only after the improved recovery project is in operation. |
| Developed Non-Producing Reserves | Shut-in and behind-pipe Reserves. | <p>Shut-in Reserves are expected to be recovered from (1) completion intervals that are open at the time of the estimate but which have not yet started producing, (2) wells which were shut-in for market conditions or pipeline connections, or (3) wells not capable of production for mechanical reasons. Behind-pipe Reserves are expected to be recovered from zones in existing wells that will require additional completion work or future re-completion before start of production with minor cost to access these reserves.</p> <p>In all cases, production can be initiated or restored with relatively low expenditure compared to the cost of drilling a new well.</p> |
| Undeveloped Reserves | Quantities expected to be recovered through future significant investments. | Undeveloped Reserves are to be produced (1) from new wells on undrilled acreage in known accumulations, (2) from deepening existing wells to a different (but known) reservoir, (3) from infill wells that will increase recovery, or (4) where a relatively large expenditure (e.g., when compared to the cost of drilling a new well) is required to (a) recomplete an existing well or (b) install production or transportation facilities for primary or improved recovery projects. |

Table 3—Reserves Category Definitions and Guidelines

| Category | Definition | Guidelines |
|--------------------------|---|---|
| Proved Reserves | Those quantities of petroleum that, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be commercially recoverable from a given date forward from known reservoirs and under defined economic conditions, operating methods, and government regulations. | <p>If deterministic methods are used, the term “reasonable certainty” is intended to express a high degree of confidence that the quantities will be recovered. If probabilistic methods are used, there should be at least a 90% probability (P90) that the quantities actually recovered will equal or exceed the estimate.</p> <p>The area of the reservoir considered as Proved includes (1) the area delineated by drilling and defined by fluid contacts, if any, and (2) adjacent undrilled portions of the reservoir that can reasonably be judged as continuous with it and commercially productive on the basis of available geoscience and engineering data.</p> <p>In the absence of data on fluid contacts, Proved quantities in a reservoir are limited by the LKH as seen in a well penetration unless otherwise indicated by definitive geoscience, engineering, or performance data. Such definitive information may include pressure gradient analysis and seismic indicators. Seismic data alone may not be sufficient to define fluid contacts for Proved.</p> <p>Reserves in undeveloped locations may be classified as Proved provided that:</p> <ul style="list-style-type: none"> A. The locations are in undrilled areas of the reservoir that can be judged with reasonable certainty to be commercially mature and economically productive. B. Interpretations of available geoscience and engineering data indicate with reasonable certainty that the objective formation is laterally continuous with drilled Proved locations. <p>For Proved Reserves, the recovery efficiency applied to these reservoirs should be defined based on a range of possibilities supported by analogs and sound engineering judgment considering the characteristics of the Proved area and the applied development program.</p> |
| Probable Reserves | Those additional Reserves that analysis of geoscience and engineering data indicates are less likely to be recovered than Proved Reserves but more certain to be recovered than Possible Reserves. | <p>It is equally likely that actual remaining quantities recovered will be greater than or less than the sum of the estimated Proved plus Probable Reserves (2P). In this context, when probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the 2P estimate.</p> <p>Probable Reserves may be assigned to areas of a reservoir adjacent to Proved where data control or interpretations of available data are less certain. The interpreted reservoir continuity may not meet the reasonable certainty criteria.</p> <p>Probable estimates also include incremental recoveries associated with project recovery efficiencies beyond that assumed for Proved.</p> |

| Category | Definition | Guidelines |
|---------------------------------------|--|---|
| Possible Reserves | Those additional reserves that analysis of geoscience and engineering data indicates are less likely to be recoverable than Probable Reserves. | <p>The total quantities ultimately recovered from the project have a low probability to exceed the sum of Proved plus Probable plus Possible (3P), which is equivalent to the high-estimate scenario. When probabilistic methods are used, there should be at least a 10% probability (P10) that the actual quantities recovered will equal or exceed the 3P estimate.</p> <p>Possible Reserves may be assigned to areas of a reservoir adjacent to Probable where data control and interpretations of available data are progressively less certain. Frequently, this may be in areas where geoscience and engineering data are unable to clearly define the area and vertical reservoir limits of economic production from the reservoir by a defined, commercially mature project.</p> <p>Possible estimates also include incremental quantities associated with project recovery efficiencies beyond that assumed for Probable.</p> |
| Probable and Possible Reserves | See above for separate criteria for Probable Reserves and Possible Reserves. | <p>The 2P and 3P estimates may be based on reasonable alternative technical interpretations within the reservoir and/or subject project that are clearly documented, including comparisons to results in successful similar projects.</p> <p>In conventional accumulations, Probable and/or 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 minor faulting or other geological discontinuities and have not been penetrated by a wellbore but are interpreted to be in communication with the known (Proved) reservoir. Probable or Possible Reserves may be assigned to areas that are structurally higher than the Proved area. Possible (and in some cases, Probable) Reserves may be assigned to areas that are structurally lower than the adjacent Proved or 2P area.</p> <p>Caution should be exercised in assigning Reserves to adjacent reservoirs isolated by major, potentially sealing faults until this reservoir is penetrated and evaluated as commercially mature and economically productive. Justification for assigning Reserves in such cases should be clearly documented. Reserves should not be assigned to areas that are clearly separated from a known accumulation by non-productive reservoir (i.e., absence of reservoir, structurally low reservoir, or negative test results); such areas may contain Prospective Resources.</p> <p>In conventional accumulations, where drilling has defined a highest known oil elevation and there exists the potential for an associated gas cap, Proved Reserves of oil should only be assigned in the structurally higher portions of the reservoir if there is reasonable certainty that such portions are initially above bubble point pressure based on documented engineering analyses. Reservoir portions that do not meet this certainty may be assigned as Probable and Possible oil and/or gas based on reservoir fluid properties and pressure gradient interpretations.</p> |

Figure 1.1—RESOURCES CLASSIFICATION FRAMEWORK

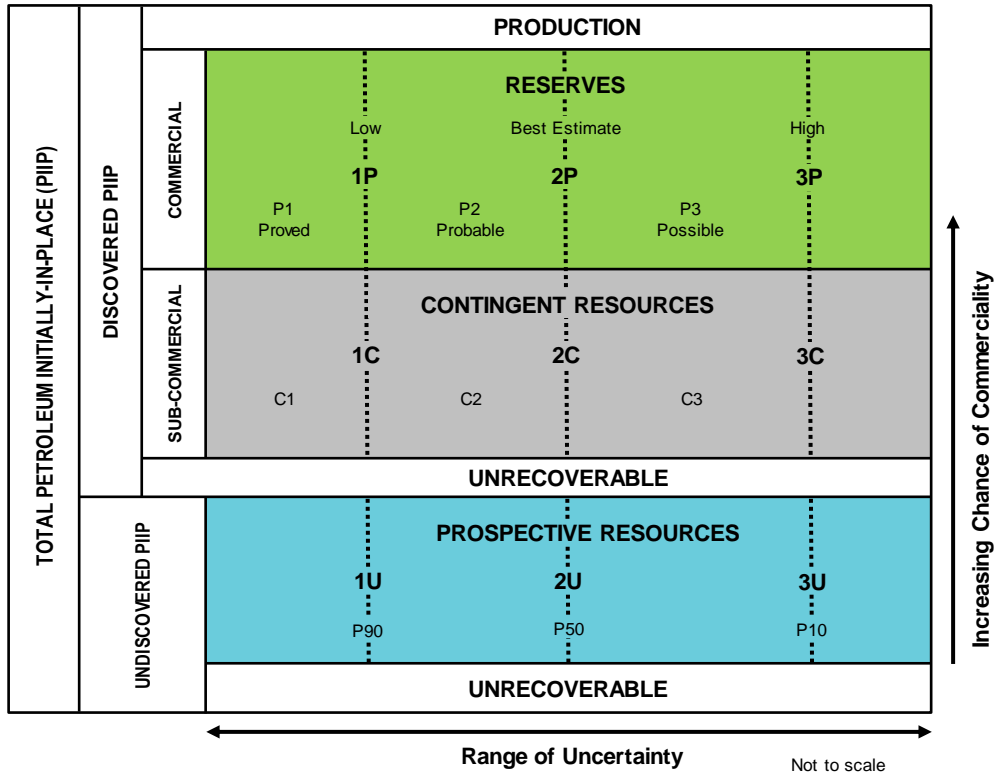
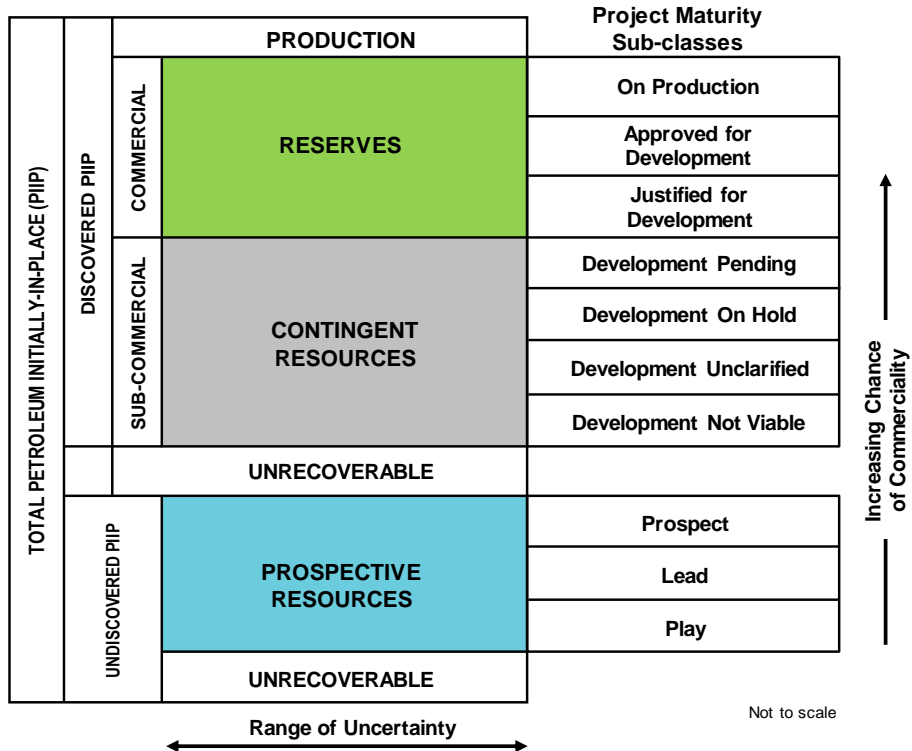


Figure 2.1—SUB-CLASSES BASED ON PROJECT MATURITY



Appendix IV Glossary

Glossary – Standard Oil Industry Terms and Abbreviations

| | |
|-----------------|---|
| % | Percentage |
| 1H05 | First half (6 months) of 2005 (example) |
| 2Q06 | Second quarter (3 months) of 2006 (example) |
| 2D | Two dimensional |
| 3D | Three dimensional |
| 4D | Four dimensional |
| 1P | Proved Reserves |
| 2P | Proved plus Probable Reserves |
| 3P | Proved plus Probable plus Possible Reserves |
| ABEX | Abandonment Expenditure |
| ACQ | Annual Contract Quantity |
| °API | Degrees API (American Petroleum Institute) |
| AAPG | American Association of Petroleum Geologists |
| AVO | Amplitude versus Offset |
| A\$ | Australian Dollars |
| B | Billion (10 ⁹) |
| Bbl | Barrels |
| /Bbl | per barrel |
| BBbl | Billion Barrels |
| BHA | Bottom Hole Assembly |
| BHC | Bottom Hole Compensated |
| Bscf or Bcf | Billion standard cubic feet |
| Bscfd or Bcfd | Billion standard cubic feet per day |
| Bm ³ | Billion cubic metres |
| bcpd | Barrels of condensate per day |
| BHP | Bottom Hole Pressure |
| blpd | Barrels of liquid per day |
| bpd | Barrels per day |
| boe | Barrels of oil equivalent @ xxx mcf/Bbl |
| boepd | Barrels of oil equivalent per day @ xxx mcf/Bbl |
| BOP | Blow Out Preventer |
| bopd | Barrels oil per day |
| bwpd | Barrels of water per day |
| BS&W | Bottom sediment and water |
| BTU | British Thermal Units |
| bwpd | Barrels water per day |

| | |
|-----------------|--|
| CBM | Coal Bed Methane |
| CO ₂ | Carbon Dioxide |
| CAPEX | Capital Expenditure |
| CCGT | Combined Cycle Gas Turbine |
| cm | centimetres |
| CMM | Coal Mine Methane |
| CNG | Compressed Natural Gas |
| Cp | Centipoise (a measure of viscosity) |
| CSG | Coal Seam Gas |
| CT | Corporation Tax |
| D1BM | Design 1 Build Many |
| DCQ | Daily Contract Quantity |
| Deg C | Degrees Celsius |
| Deg F | Degrees Fahrenheit |
| DHI | Direct Hydrocarbon Indicator |
| DLIS | Digital Log Interchange Standard |
| DST | Drill Stem Test |
| DWT | Dead-weight ton |
| E&A | Exploration & Appraisal |
| E&P | Exploration and Production |
| EBIT | Earnings before Interest and Tax |
| EBITDA | Earnings before interest, tax, depreciation and amortisation |
| ECS | Elemental Capture Spectroscopy |
| EI | Entitlement Interest |
| EIA | Environmental Impact Assessment |
| ELT | Economic Limit Test |
| EMV | Expected Monetary Value |
| EOR | Enhanced Oil Recovery |
| EUR | Estimated Ultimate Recovery |
| FDP | Field Development Plan |
| FEED | Front End Engineering and Design |
| FPSO | Floating Production Storage and Offloading |
| FSO | Floating Storage and Offloading |
| FWL | Free Water Level |
| ft | Foot/feet |
| Fx | Foreign Exchange Rate |
| g | gram |
| g/cc | grams per cubic centimetre |
| gal | gallon |
| gal/d | gallons per day |

Glossary – Standard Oil Industry Terms and Abbreviations

| | |
|------------------|--|
| G&A | General and Administrative costs |
| GBP | Pounds Sterling |
| GCoS | Geological Chance of Success |
| GDT | Gas Down to |
| GIIP | Gas initially in place |
| GJ | Gigajoules (one billion Joules) |
| GOC | Gas Oil Contact |
| GOR | Gas Oil Ratio |
| GRV | Gross Rock Volumes |
| GTL | Gas to Liquids |
| GWC | Gas water contact |
| HDT | Hydrocarbons Down to |
| HSE | Health, Safety and Environment |
| HSFO | High Sulphur Fuel Oil |
| HUT | Hydrocarbons up to |
| H ₂ S | Hydrogen Sulphide |
| IOR | Improved Oil Recovery |
| IPP | Independent Power Producer |
| IRR | Internal Rate of Return |
| J | Joule (Metric measurement of energy) kilojoule = 0.9478 BTU) |
| k | Permeability |
| KB | Kelly Bushing |
| KJ | Kilojoules (one Thousand Joules) |
| kl | Kilolitres |
| km | Kilometres |
| km ² | Square kilometres |
| kPa | Thousands of Pascals (measurement of pressure) |
| KW | Kilowatt |
| KWh | Kilowatt hour |
| LAS | Log ASCII Standard |
| LKG | Lowest Known Gas |
| LKH | Lowest Known Hydrocarbons |
| LKO | Lowest Known Oil |
| LNG | Liquefied Natural Gas |
| LoF | Life of Field |
| LPG | Liquefied Petroleum Gas |
| LTI | Lost Time Injury |
| LWD | Logging while drilling |
| m | Metres |
| M | Thousand |
| m ³ | Cubic metres |

| | |
|---------------------|--|
| Mcf or Mscf | Thousand standard cubic feet |
| MCM | Management Committee Meeting |
| MMcf or MMscf | Million standard cubic feet |
| m ³ /d | Cubic metres per day |
| mD | Measure of Permeability in millidarcies |
| MD | Measured Depth |
| MDT | Modular Dynamic Tester |
| Mean | Arithmetic average of a set of numbers |
| Median | Middle value in a set of values |
| MFT | Multi Formation Tester |
| mg/l | milligrams per litre |
| MJ | Megajoules (One Million Joules) |
| Mm ³ | Thousand Cubic metres |
| Mm ³ /d | Thousand Cubic metres per day |
| MM | Million |
| MMm ³ | Million Cubic metres |
| MMm ³ /d | Million Cubic metres per day |
| MMBbl | Millions of barrels |
| MMBTU | Millions of British Thermal Units |
| Mode | Value that exists most frequently in a set of values = most likely |
| Mscfd | Thousand standard cubic feet per day |
| MMscfd | Million standard cubic feet per day |
| MW | Megawatt |
| MWD | Measuring While Drilling |
| MWh | Megawatt hour |
| mya | Million years ago |
| NGL | Natural Gas Liquids |
| N ₂ | Nitrogen |
| NTG | Net/Gross Ratio |
| NPV | Net Present Value |
| OBM | Oil Based Mud |
| OCM | Operating Committee Meeting |
| ODT | Oil-Down-To |
| OGIP | Original Gas in Place |
| OOIP | Original Oil in Place |
| OPEX | Operating Expenditure |
| OWC | Oil Water Contact |
| p.a. | Per annum |

Glossary – Standard Oil Industry Terms and Abbreviations

| | |
|-------------|---|
| Pa | Pascals (metric measurement of pressure) |
| P&A | Plugged and Abandoned |
| PDP | Proved Developed Producing |
| PI | Productivity Index |
| PIIP | Petroleum Initially-In-Place |
| PJ | Petajoules (10^{15} Joules) |
| PSDM | Post Stack Depth Migration |
| psi | Pounds per square inch |
| psia | Pounds per square inch absolute |
| psig | Pounds per square inch gauge |
| PUD | Proved Undeveloped |
| PVT | Pressure, Volume and Temperature |
| P10 | 10% Probability |
| P50 | 50% Probability |
| P90 | 90% Probability |
| Rf | Recovery factor |
| RFT | Repeat Formation Tester |
| RT | Rotary Table |
| R/P | Reserve to Production |
| R_w | Resistivity of water |
| SCAL | Special core analysis |
| cf or scf | Standard Cubic Feet |
| cfd or scfd | Standard Cubic Feet per day |
| scf/ton | Standard cubic foot per ton |
| SL | Straight line (for depreciation) |
| s_o | Oil Saturation |
| SPM | Single Point Mooring |
| SPE | Society of Petroleum Engineers |
| SPEE | Society of Petroleum Evaluation Engineers |
| SPS | Subsea Production System |
| SS | Subsea |
| stb | Stock tank barrel |
| STOIIP | Stock tank oil initially in place |
| s_w | Water Saturation |
| T | Tonnes |
| TD | Total Depth |
| Te | Tonnes equivalent |
| THP | Tubing Head Pressure |
| TJ | Terajoules (10^{12} Joules) |
| Tscf or Tcf | Trillion standard cubic feet |

| | |
|-------|---------------------------------|
| TCM | Technical Committee Meeting |
| TOC | Total Organic Carbon |
| TOP | Take or Pay |
| Tpd | Tonnes per day |
| TVD | True Vertical Depth |
| TVDss | True Vertical Depth Subsea |
| UFR | Umbilical Flow Lines and Risers |
| USGS | United States Geological Survey |
| US\$ | United States dollar |
| VLCC | Very Large Crude Carrier |
| VSP | Vertical Seismic Profiling |
| WC | Water Cut |
| WI | Working Interest |
| WPC | World Petroleum Council |
| WTI | West Texas Intermediate |
| wt% | Weight percent |

Appendix V
Reserves Cash Flows @ ANH reference oil price

Interoil Colombia Exploración y Producción
Net Revenue Interest Reserve Cash Flows
Properties in Colombia
as of December 31, 2018

Mana (ANH price)

Proved Developed Reserves (PD)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|--------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 105.7 | 452 | 421 | 7.77 | 0.67 | 1.68 | 0.14 | 5.29 |
| 2020 | 86.6 | 366 | 340 | 6.36 | 0.55 | 1.59 | | 4.22 |
| 2021 | 70.0 | 288 | 268 | 5.12 | 0.44 | 1.48 | | 3.20 |
| 2022 | 56.8 | 232 | 216 | 4.15 | 0.36 | 1.37 | | 2.41 |
| 2023 | 45.3 | 179 | 167 | 3.30 | 0.29 | 1.26 | | 1.75 |
| 2024 | 36.3 | 140 | 130 | 2.63 | 0.23 | 1.15 | | 1.25 |
| 2025 | 29.1 | 110 | 102 | 2.10 | 0.18 | 1.06 | | 0.85 |
| 2026 | 23.2 | 86 | 81 | 1.67 | 0.15 | 0.97 | | 0.56 |
| 2027 | 18.7 | 69 | 64 | 1.34 | 0.12 | 0.89 | | 0.34 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 471.8 | 1,922 | 1,790 | 34.44 | 2.99 | 11.45 | 0.14 | 19.85 |

Mana (ANH price)

Proved Reserves (1P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|--------------|--------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 129.3 | 558 | 519 | 9.52 | 0.82 | 1.72 | 3.50 | 3.48 |
| 2020 | 137.2 | 592 | 551 | 10.10 | 0.87 | 1.72 | | 7.51 |
| 2021 | 100.4 | 424 | 395 | 7.37 | 0.64 | 1.57 | | 5.16 |
| 2022 | 74.5 | 311 | 290 | 5.46 | 0.47 | 1.44 | | 3.54 |
| 2023 | 55.9 | 227 | 211 | 4.08 | 0.35 | 1.32 | | 2.41 |
| 2024 | 42.6 | 168 | 156 | 3.09 | 0.27 | 1.21 | | 1.61 |
| 2025 | 32.4 | 125 | 116 | 2.35 | 0.21 | 1.12 | | 1.02 |
| 2026 | 23.2 | 87 | 81 | 1.67 | 0.15 | 0.97 | | 0.56 |
| 2027 | 18.7 | 69 | 64 | 1.34 | 0.12 | 0.90 | | 0.32 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 614.1 | 2,560 | 2,383 | 44.99 | 3.90 | 11.98 | 3.50 | 25.61 |

Mana (ANH price)

Proved & Probable Reserves (2P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|-------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 144.5 | 620 | 578 | 10.63 | 0.92 | 1.76 | 3.50 | 4.45 |
| 2020 | 170.1 | 735 | 684 | 12.53 | 1.08 | 1.81 | | 9.64 |
| 2021 | 122.7 | 520 | 484 | 9.01 | 0.78 | 1.65 | | 6.58 |
| 2022 | 91.0 | 382 | 355 | 6.67 | 0.58 | 1.52 | | 4.57 |
| 2023 | 67.9 | 281 | 262 | 4.97 | 0.43 | 1.39 | | 3.15 |
| 2024 | 52.4 | 209 | 194 | 3.81 | 0.33 | 1.28 | | 2.20 |
| 2025 | 40.8 | 160 | 149 | 2.96 | 0.26 | 1.19 | | 1.52 |
| 2026 | 32.5 | 125 | 116 | 2.35 | 0.21 | 1.10 | | 1.05 |
| 2027 | 23.4 | 87 | 81 | 1.69 | 0.15 | 0.95 | | 0.59 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 745.1 | 3,119 | 2,904 | 54.62 | 4.73 | 12.64 | 3.50 | 33.75 |

Mana (ANH price)

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|-------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 175.2 | 758 | 706 | 12.91 | 1.11 | 1.82 | 3.50 | 6.48 |
| 2020 | 241.0 | 1,053 | 980 | 17.78 | 1.53 | 1.94 | | 14.31 |
| 2021 | 167.3 | 721 | 671 | 12.32 | 1.06 | 1.75 | | 9.51 |
| 2022 | 119.6 | 509 | 474 | 8.79 | 0.76 | 1.59 | | 6.44 |
| 2023 | 88.4 | 374 | 348 | 6.49 | 0.56 | 1.46 | | 4.47 |
| 2024 | 66.4 | 275 | 256 | 4.86 | 0.42 | 1.34 | | 3.09 |
| 2025 | 51.9 | 208 | 193 | 3.78 | 0.33 | 1.26 | | 2.19 |
| 2026 | 41.0 | 161 | 150 | 2.98 | 0.26 | 1.16 | | 1.56 |
| 2027 | 33.5 | 129 | 120 | 2.43 | 0.21 | 1.08 | | 1.14 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 984.2 | 4,188 | 3,899 | 72.33 | 6.25 | 13.39 | 3.50 | 49.19 |

Llanos (ANH price)

Proved Developed Reserves (PD)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 56.4 | | 3.64 | 0.55 | 0.96 | | 2.13 |
| 2020 | 5.5 | | 0.35 | 0.05 | 0.16 | | 0.14 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 61.9 | 0 | 3.99 | 0.60 | 1.12 | 0.00 | 2.27 |

Llanos (ANH price)

Proved Reserves (1P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 78.0 | | 5.03 | 0.76 | 1.01 | 0.02 | 3.24 |
| 2020 | 9.6 | | 0.62 | 0.09 | 0.17 | | 0.36 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 87.6 | 0 | 5.65 | 0.85 | 1.18 | 0.02 | 3.60 |

Llanos (ANH price)

Proved & Probable Reserves (2P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 106.4 | | 6.86 | 1.04 | 1.08 | 0.02 | 4.73 |
| 2020 | 15.6 | | 1.01 | 0.15 | 0.18 | | 0.67 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 122.0 | 0 | 7.87 | 1.19 | 1.26 | 0.02 | 5.40 |

Llanos (ANH price)

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 127.4 | | 8.22 | 1.24 | 1.13 | 0.02 | 5.83 |
| 2020 | 20.5 | | 1.32 | 0.20 | 0.19 | | 0.93 |
| 2021 | | | | | | | |
| 2022 | | | | | | | |
| 2023 | | | | | | | |
| 2024 | | | | | | | |
| 2025 | | | | | | | |
| 2026 | | | | | | | |
| 2027 | | | | | | | |
| 2028 | | | | | | | |
| 2029 | | | | | | | |
| TOTAL | 147.9 | 0 | 9.54 | 1.44 | 1.32 | 0.02 | 6.76 |

Ambrosia(ANH price)

Proved Developed Reserves (PD)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.41 | 0.04 | 0.09 | | 0.28 |
| 2020 | 5.6 | | 0.35 | 0.04 | 0.09 | | 0.23 |
| 2021 | 4.7 | | 0.29 | 0.03 | 0.08 | | 0.18 |
| 2022 | 3.7 | | 0.23 | 0.02 | 0.07 | | 0.13 |
| 2023 | 3.4 | | 0.21 | 0.02 | 0.07 | | 0.12 |
| 2024 | 3.2 | | 0.20 | 0.02 | 0.07 | | 0.10 |
| 2025 | 2.9 | | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2026 | 2.7 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2027 | 2.5 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2028 | 2.3 | | 0.14 | 0.01 | 0.07 | | 0.05 |
| 2029 | | | | | | | |
| TOTAL | 37.5 | 0 | 2.32 | 0.24 | 0.77 | 0.00 | 1.31 |

Ambrosia(ANH price)

Proved Reserves (1P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.41 | 0.04 | 0.09 | | 0.28 |
| 2020 | 5.6 | | 0.35 | 0.04 | 0.09 | | 0.23 |
| 2021 | 4.7 | | 0.29 | 0.03 | 0.08 | | 0.18 |
| 2022 | 3.7 | | 0.23 | 0.02 | 0.07 | | 0.13 |
| 2023 | 3.4 | | 0.21 | 0.02 | 0.07 | | 0.12 |
| 2024 | 3.2 | | 0.20 | 0.02 | 0.07 | | 0.10 |
| 2025 | 2.9 | | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2026 | 2.7 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2027 | 2.5 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2028 | 2.3 | | 0.14 | 0.01 | 0.07 | | 0.05 |
| 2029 | | | | | | | |
| TOTAL | 37.5 | 0 | 2.32 | 0.24 | 0.77 | 0.00 | 1.31 |

Ambrosia(ANH price)

Proved & Probable Reserves (2P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.41 | 0.04 | 0.09 | | 0.28 |
| 2020 | 5.7 | | 0.35 | 0.04 | 0.09 | | 0.23 |
| 2021 | 4.9 | | 0.30 | 0.03 | 0.08 | | 0.19 |
| 2022 | 3.9 | | 0.24 | 0.02 | 0.07 | | 0.14 |
| 2023 | 3.5 | | 0.21 | 0.02 | 0.07 | | 0.12 |
| 2024 | 3.2 | | 0.20 | 0.02 | 0.07 | | 0.10 |
| 2025 | 3.0 | | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2026 | 2.8 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2027 | 2.6 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2028 | 2.4 | | 0.15 | 0.02 | 0.07 | | 0.06 |
| 2029 | | | | | | | |
| TOTAL | 38.5 | 0 | 2.39 | 0.24 | 0.77 | 0.00 | 1.37 |

Ambrosia(ANH price)

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|---------------------------|----------------------------|---------------------------------|----------------------|---------------------------|
| | Liquids MBO | Gas MMCF | | | | | |
| 2019 | 6.6 | | 0.41 | 0.04 | 0.09 | | 0.28 |
| 2020 | 5.7 | | 0.35 | 0.04 | 0.09 | | 0.23 |
| 2021 | 5.0 | | 0.31 | 0.03 | 0.08 | | 0.19 |
| 2022 | 4.3 | | 0.27 | 0.03 | 0.08 | | 0.16 |
| 2023 | 3.5 | | 0.22 | 0.02 | 0.07 | | 0.12 |
| 2024 | 3.3 | | 0.20 | 0.02 | 0.07 | | 0.11 |
| 2025 | 3.1 | | 0.19 | 0.02 | 0.07 | | 0.10 |
| 2026 | 2.9 | | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2027 | 2.7 | | 0.17 | 0.02 | 0.07 | | 0.08 |
| 2028 | 2.5 | | 0.16 | 0.02 | 0.07 | | 0.07 |
| 2029 | | | | | | | |
| TOTAL | 39.6 | 0 | 2.45 | 0.25 | 0.78 | 0.00 | 1.42 |

Rio Opia(ANH price)

Proved Developed Reserves (PD)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|-------|------------|------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 6.1 | 26 | 24 | 0.45 | 0.04 | 0.09 | | 0.32 |
| 2020 | 4.9 | 21 | 20 | 0.36 | 0.03 | 0.09 | | 0.24 |
| 2021 | 3.9 | 17 | 16 | 0.29 | 0.03 | 0.09 | | 0.18 |
| 2022 | 2.7 | 12 | 11 | 0.20 | 0.02 | 0.08 | | 0.10 |
| 2023 | 1.8 | 9 | 9 | 0.14 | 0.01 | 0.07 | | 0.06 |
| 2024 | 1.5 | 8 | 7 | 0.11 | 0.01 | 0.07 | | 0.03 |
| 2025 | 0.9 | 6 | 6 | 0.07 | 0.01 | 0.06 | | 0.01 |
| 2026 | | | | | | | | |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 22.0 | 100 | 93 | 1.64 | 0.14 | 0.56 | 0.00 | 0.94 |

Rio Opia(ANH price)

Proved Reserves (1P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|-------|------------|------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids | Gas | | | | | | |
| | MBO | MMCF | | | | | | |
| 2019 | 6.9 | 30 | 28 | 0.51 | 0.04 | 0.09 | 0.05 | 0.32 |
| 2020 | 5.7 | 25 | 23 | 0.42 | 0.04 | 0.09 | | 0.29 |
| 2021 | 3.9 | 17 | 16 | 0.29 | 0.03 | 0.09 | | 0.18 |
| 2022 | 2.7 | 12 | 11 | 0.20 | 0.02 | 0.08 | | 0.10 |
| 2023 | 1.8 | 9 | 9 | 0.14 | 0.01 | 0.07 | | 0.06 |
| 2024 | 1.5 | 8 | 7 | 0.11 | 0.01 | 0.07 | | 0.03 |
| 2025 | 0.9 | 6 | 6 | 0.07 | 0.01 | 0.06 | | 0.01 |
| 2026 | | | | | | | | |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 23.5 | 106 | 99 | 1.74 | 0.15 | 0.56 | 0.05 | 0.98 |

Rio Opia(ANH price)

Proved & Probable Reserves (2P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 7.6 | 33 | 31 | 0.56 | 0.05 | 0.09 | 0.05 | 0.37 |
| 2020 | 6.6 | 29 | 27 | 0.49 | 0.04 | 0.09 | | 0.35 |
| 2021 | 5.3 | 23 | 22 | 0.39 | 0.03 | 0.09 | | 0.27 |
| 2022 | 4.1 | 18 | 17 | 0.30 | 0.03 | 0.09 | | 0.18 |
| 2023 | 2.4 | 12 | 11 | 0.18 | 0.02 | 0.07 | | 0.09 |
| 2024 | 1.7 | 9 | 8 | 0.13 | 0.01 | 0.07 | | 0.05 |
| 2025 | 1.4 | 7 | 7 | 0.11 | 0.01 | 0.07 | | 0.03 |
| 2026 | 1.0 | 6 | 6 | 0.08 | 0.01 | 0.06 | | 0.01 |
| 2027 | | | | | | | | |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 30.1 | 137 | 128 | 2.23 | 0.19 | 0.65 | 0.05 | 1.35 |

Rio Opia(ANH price)

Proved, Probable & Possible Reserves (3P)

| Year | Production | | Gas Sales MMCF | Gross Income MMUS\$ | Oil Transport MMUS\$ | Operating Expenses MMUS\$ | Investment MMUS\$ | Net Cashflow MMUS\$ |
|--------------|----------------|-------------|-------------------|------------------------|-------------------------|------------------------------|----------------------|------------------------|
| | Liquids MBO | Gas MMCF | | | | | | |
| 2019 | 8.2 | 36 | 33 | 0.60 | 0.05 | 0.09 | 0.05 | 0.41 |
| 2020 | 7.4 | 33 | 30 | 0.55 | 0.05 | 0.09 | | 0.41 |
| 2021 | 6.0 | 26 | 25 | 0.44 | 0.04 | 0.09 | | 0.31 |
| 2022 | 4.9 | 22 | 20 | 0.36 | 0.03 | 0.09 | | 0.24 |
| 2023 | 3.5 | 16 | 15 | 0.26 | 0.02 | 0.07 | | 0.16 |
| 2024 | 2.8 | 14 | 13 | 0.21 | 0.02 | 0.07 | | 0.12 |
| 2025 | 2.4 | 12 | 11 | 0.18 | 0.02 | 0.07 | | 0.10 |
| 2026 | 1.8 | 9 | 9 | 0.14 | 0.01 | 0.07 | | 0.06 |
| 2027 | 1.1 | 6 | 6 | 0.09 | 0.01 | 0.07 | | 0.01 |
| 2028 | | | | | | | | |
| 2029 | | | | | | | | |
| TOTAL | 38.2 | 174 | 162 | 2.84 | 0.24 | 0.73 | 0.05 | 1.81 |