NG Energy International Corp.

Form 51-101 F1

Statement of Reserves Data

and Other Oil and Gas Information

As of December 31, 2021

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ABBREVIATIONS, CONVERSIONS AND CONVENTIONS

Abbreviations

The abbreviations set forth below have the following meanings:

Oil and Natural Gas Liquids	
bbls	barrels
bbls/d	barrels per day
Mbbls	thousand barrels
boe	barrels of oil equivalent
boe/d	barrels of oil equivalent per day
Mboe	thousand barrels of oil equivalent
NGLs	natural gas liquids

Natural Gas	
Mcf	thousand cubic feet
Mcf/d	thousand cubic feet per day
MMcf	million cubic feet
MMBtu	one million British thermal units
m^3	cubic metres
GJ	gigajoule

Other	
WTI	West Texas Intermediate crude oil, a benchmark oil price determined at Cushing, Oklahoma
M$	thousands of dollars

Conversions

The following table sets forth certain Standard Imperial Units and International System of Units conversions:

From	To	Multiply By
Mcf	cubic metres	28.174
Mcf	GJ	1.055
cubic metres	cubic feet	35.494
bbls	cubic metres	0.159
acres	hectares	0.405
sections	acres	640
sections	hectares	256

Convention

Unless otherwise indicated, references herein to “$” or “dollars” are to United States dollars.

Caution Regarding Use of Barrels of Oil Equivalent (BOEs)

BOEs/boes may be misleading, particularly if used in isolation. A boe conversion ratio of six Mcf to one bbl is based on an energy equivalency conversion method primarily applicable at the burner tip and does not represent a value equivalency at the wellhead. As the value ratio between natural gas and crude oil based on the current prices of natural gas and crude oil is significantly different from the energy equivalency of 6:1, utilizing a conversion on a 6:1 basis may be misleading as an indication of value.

NOTES AND DEFINITIONS

The determination of oil and gas reserves and resources involves the preparation of estimates that have an inherent degree of associated uncertainty. Categories of Proved, Probable and Possible reserves and prospective resources have been established to reflect the level of these uncertainties and to provide an indication of the probability of recovery.

The estimation and classification of reserves and resources requires the application of professional judgment combined with geological and engineering knowledge to assess whether or not specific reserves and resources classification criteria have been satisfied. Knowledge of concepts including uncertainty and risk, probability and statistics, and deterministic and probabilistic estimation methods is required to properly use and apply reserves and resources definitions.

The following terms used in preparing the Petrotech Report and this Statement have the following meanings:

"**COGE Handbook**" means the Canadian Oil and Gas Evaluation Handbook maintained by The Society of Petroleum Evaluation Engineers (Calgary Chapter), as amended from time to time.

"**Company**" means NG Energy International Corp.

"**Conventional natural gas**" means natural gas that has been generated elsewhere and has migrated as a result of hydrodynamic forces and is trapped in discrete accumulations by seals that may be formed by localized structural, depositional or erosional geological features.

"**Crude oil**" or "**oil**" means a mixture consisting mainly of pentanes and heavier hydrocarbons that exists in the liquid phase in reservoirs and remains liquid at atmospheric pressure and temperature. Crude oil may contain small amounts of sulphur and other non-hydrocarbons but does not include liquids obtained from the processing of natural gas.

"**CSA 51-324**" means CSA Staff Notice 51-324 - *Revised Glossary to NI 51-101 Standards of Disclosure for Oil and Gas Activities* of the Canadian Securities Administrators.

"**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 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.

"**Development Costs**" means costs incurred to obtain access to reserves and to provide facilities for extracting, treating, gathering and storing the oil and gas from the reserves. More specifically, development costs, including applicable operating costs of support equipment and facilities and other costs of development activities, are costs incurred to:

(a) gain access to and prepare well locations for drilling, including surveying well locations for the purpose of determining specific development drilling sites, clearing ground, draining, road building, and relocating public roads, gas lines and power lines, to the extent necessary in developing the reserves;

(b) drill and equip development wells, development type stratigraphic test wells and service wells, including the costs of platforms and of well equipment such as casing, tubing, pumping equipment and the wellhead assembly;

(c) acquire, construct and install production facilities such as flow lines, separators, treaters, heaters, manifolds, measuring devices and production storage tanks, natural gas cycling and processing plants, and central utility and waste disposal systems; and

(d) provide improved recovery systems.

"**Development well**" means a well drilled inside the established limits of an oil or gas reservoir, or in close proximity to the edge of the reservoir, to the depth of a stratigraphic horizon known to be productive.

"**Exploration costs**" means costs incurred in identifying areas that may warrant examination and in examining specific areas that are considered to have prospects that may contain oil and gas reserves, including costs of drilling exploratory wells and exploratory type stratigraphic test wells. Exploration costs may be incurred both before acquiring the related property (sometimes referred to in part as "prospecting costs") and after acquiring the property.

Exploration costs, which include applicable operating costs of support equipment and facilities and other costs of exploration activities, are:

(a) costs of topographical, geochemical, geological and geophysical studies, rights of access to properties to conduct those studies, and salaries and other expenses of geologists, geophysical crews and others conducting those studies (collectively sometimes referred to as "geological and geophysical costs");

(b) costs of carrying and retaining unproved properties, such as delay rentals, taxes (other than income and capital taxes) on properties, legal costs for title defense, and the maintenance of land and lease records;

(c) dry hole contributions and bottom hole contributions;

(d) costs of drilling and equipping exploratory wells; and

(e) costs of drilling exploratory type stratigraphic test wells.

"**Exploratory well**" means a well that is not a development well, a service well or a stratigraphic test well.

"**Field**" means a defined geographical area consisting of one or more individual and separate accumulations of petroleum in a reservoir.

"**Forecast prices and costs**" means future prices and costs that are:

(a) generally accepted as being a reasonable outlook of the future; and

(b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which the Company is legally bound by a contractual or other obligation to supply a physical product, including those for an extension period of a contract that is likely to be extended, those prices or costs rather than the prices and costs referred to in paragraph (a).

"**Future net revenue**" or "**FNV**" means a forecast of revenue estimated using forecast prices and costs or constant prices and costs, arising from the anticipated development and production of resources, net of the associated royalties, operating costs, development costs and abandonment and reclamation costs.

"**Gross**" means:

(a) in relation to the Company's interest in production or reserves, its "Company gross reserves", which are its working interest (operating or non-operating) share before deduction of royalties and without including any royalty interests of the Company;

(b) in relation to wells, the total number of wells in which the Company has an interest, and

(c) in relation to properties, the total area of properties in which the Company has an interest.

"**Heavy crude oil** means crude oil with a relative density greater than 10 degrees API gravity and less than or equal to 22.3 degrees API gravity.

"**Light crude oil**" means crude oil with a relative density greater than 31.1 degrees API gravity.

"**Medium crude oil**" means crude oil with a relative density greater than 22.3 degrees API gravity and less than or equal to 31.1 degrees API gravity.

"**Natural gas**" means a naturally occurring mixture of hydrocarbon gases and other gases.

"**Natural gas liquids" or "NGL**" means those hydrocarbon components that can be recovered from natural gas as liquids including, but not limited to, ethane, propane, butanes, pentanes plus and condensates.

"**Net**" means

(a) in relation to the Company's interest in production or reserves its working interest (operating or non-operating) share after deduction of royalty obligations, plus its royalty interests in production or reserves;

(b) in relation to the Company's interest in wells, the number of wells obtained by aggregating the Company's working interest in each of its gross wells; and

(c) in relation to the Company's interest in a property, the total area in which the Company has an interest multiplied by the working interest owned by the Company.

"**NI 51-101**" means National Instrument 51-101 - *Standards of Disclosure for Oil and Gas Activities* of the Canadian Securities Administrators.

"**Operating costs**" or **"production costs**" means costs incurred to operate and maintain wells and related equipment and facilities, including applicable operating costs of support equipment and facilities and other costs of operating and maintaining those wells and related equipment and facilities.

"**Petrotech**" means Petrotech and Associates Ltd., a qualified reserves evaluator that is independent of the Company under NI 51-101.

"**Petrotech Report**" means the report of Petrotech entitled "Evaluation of the Interests of NG Energy International Corp. in the Gas Reserves of the Maria Conchita Block in the Onshore Guajira Basin, Colombia", dated March 25, 2022.

"**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. There is a 10 percent probability that the quantities actually recovered will equal or exceed the sum of proved plus probable plus possible 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.

"**Production**" means the cumulative quantity of petroleum that has been recovered at a given date or recovering, gathering, treating, field or plant processing (for example, processing gas to extract natural gas liquids) and field storage of oil and gas.

"**Property**" includes:

(a) fee ownership or a lease, concession, agreement, permit, license or other interest representing the right to extract oil or gas subject to such terms as may be imposed by the conveyance of that interest;

(b) royalty interests, production payments payable in oil or gas, and other non-operating interests in properties operated by others; and

(c) an agreement with a foreign government or authority under which a reporting issuer participates in the operation of properties or otherwise serves as "producer" of the underlying reserves (in contrast to being an independent purchaser, broker, dealer or importer).

A property does not include supply agreements, or contracts that represent a right to purchase, rather than extract, oil or gas.

"**Property acquisition costs**" means costs incurred to acquire a property (directly by purchase or lease or indirectly by acquiring another corporate entity with an interest in the property), including:

(a) costs of lease bonuses and options to purchase or lease a property;

(b) the portion of the costs applicable to hydrocarbons when land including rights to hydrocarbons is purchased in fee; and

(c) brokers' fees, recording and registration fees, legal costs and other costs incurred in acquiring properties.

"**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.

"**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 (a) analysis of drilling, geological, geophysical, and engineering data; (b) the use of established technology; and (c) specified economic conditions, which are generally accepted as being reasonable and shall be disclosed. Reserves are classified according to the degree of certainty associated with the estimates.

"**Reservoir**" means a subsurface rock unit that contains an accumulation of petroleum.

"**Statement**" means this Form 51-101F1 - *Statement of Reserves Data and Other Oil and Gas Information*.

"**Undeveloped**" reserves are those reserves expected to be recovered from known accumulations where a significant expenditure (e.g., 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 classification (Proved, Probable and 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 sub-divide 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 recorded from specific wells, facilities and completion intervals in the pool and their respective development and production status.

"**WI**" means working interest.

Certain other terms used in this Statement that are not defined herein are defined in NI 51-101 and CSA 51-324 and, unless the context otherwise requires, shall have the same meanings herein as in NI 51-101 or CSA 51-324, as applicable.

ADVISORIES

Certain information included in this Statement constitutes forward-looking information under applicable securities legislation. This information relates to future events or the Company's future performance. All information other than information respecting historical facts is forward-looking information. In some cases, forward-looking information may be identified by terminology such as "may", "will", "should", "expect", "plan", "anticipate", "believe", "estimate", "predict", "potential", "continue", or the negative of these terms or other comparable terminology. Forward-looking information in this Statement includes, but is not limited to, information respecting: reserve quantities; future net revenue and net present value of future net revenue; forecasted development costs; forecasted commodity prices; foreign exchange rates; the Company's future strategy and capital program; the Company's future tax liabilities; the 2018 capital program; planned capital expenditures; exploration and development activities, including the development of reserves, drilling, testing, workovers, seismic acquisitions, geological and geophysical studies, facilities work and other operational plans, and the extent and timing thereof; expectations with respect to exploration, development, environmental and social and other permits and the, processing, timing and receipt thereof; and future production levels. The information provided in this Statement is only a prediction. Actual events or results may differ materially. In addition, this Statement may contain forward-looking information attributed to third party industry sources. Undue reliance should not be placed on such forward-looking information, as there can be no assurance that the plans, intentions or expectations upon which they are based will occur. By its nature, forward-looking information involves numerous assumptions, known and unknown risks and uncertainties, both general and specific, that contribute to the possibility that the predictions, forecasts, projections and other forward-looking statements will not occur. This forward-looking information is made as of the date of the Form 51-101F1, and the Company assumes no obligation to update or revise it to reflect new events or circumstances.

In particular, this Form 51-101F1 contains, or incorporates by reference, forward-looking information pertaining to the following:

- drilling inventory, drilling plans and timing of drilling, re-completion and tie-in of wells;

- plans for facilities construction and completion and the timing and method of funding thereof;
- the performance characteristics of the Company's oil and natural gas properties;
- drilling, completion and facilities costs;
- results of various projects of the Company;
- timing of development of undeveloped reserves;
- the Company's oil and natural gas production levels;
- the size of the Company's oil and natural gas reserves;
- projections of market prices and costs;
- supply and demand for oil and natural gas;
- expectations regarding the ability to raise capital and to continually add to reserves through acquisitions, exploration and development;
- treatment under governmental regulatory regimes and tax laws; and
- capital expenditure programs and the timing and method of financing thereof.

With respect to forward-looking information contained in this Form 51-101F1, the Company has made certain assumptions. Although the Company believes that the expectations reflected in its forward-looking information are reasonable, there can be no assurance that such expectations will prove to be correct. In addition to other assumptions identified in this Statement, assumptions in respect of forward-looking information have been made regarding, among other things:

- future currency and interest rates;
- the Company's ability to generate sufficient cash flow from operations and access existing credit facilities and capital markets to meet its future obligations;
- the regulatory framework representing taxes and environmental matters in the countries in which the Company conducts its business;
- the Company's ability to obtain qualified staff and equipment in a timely and cost-efficient manner to meet the Company's demand;
- the strategy of the Company regarding commodity price risk management;
- the accuracy of the Company's commodity price and commodity price risk assumptions;
- the accuracy of the Company's testing and production results, seismic data and log evaluations and its go forward reservoir models based on existing reservoir and geological data;
- pricing and cost estimates,
- the effects of drilling down-dip;
- the effects of advanced recovery and waterflood operations;
- capital costs relating to the Company's exploration and development activities;

- the Company's ability to continue to transport and market crude oil and natural gas and the extent and duration of any transportation interruptions;
- the Company will be able to procure external or third-party services to execute its go-forward capital program;
- the nature and stability of future regulatory and governmental regime in Colombia;
- the Company's partners will perform their obligations under its contractual arrangements in the manner and timelines contemplated by such agreements;
- decisions of the regulators with respect to the Company's applications, including with respect to extensions of its obligations under certain agreements, will be made in the same manner and on the same basis as they have been in the past;
- the Company will continue to conduct its exploration and development activities in a manner consistent with past practice and that the Company will be able to execute its current business and operations plans in the manner currently expected
- the Company will be in a position to benefit from the combination of growth opportunities and the ability to grow through the capital markets;
- that the Company will be able to sustainably grow its production and reserves through prudent management of its development activities and acquisitions;
- the level of capital expenditures devoted to development activity rather than exploration;
- the quantity of oil and natural gas reserves and oil and natural gas production levels; and
- the general continuance of current or, where applicable, assumed operational, regulatory and industry conditions.

The Company cannot guarantee future results, levels of activity, performance, or achievements. Some of the risks and other factors, some of which are beyond the Company's control, which could cause results to differ materially from those expressed in the forward-looking statements contained in this Statement include, but are not limited to:

- general economic conditions globally;
- industry conditions, including fluctuations in the price of crude oil, natural gas and natural gas liquids and services used by the Company;
- unexpected problems can arise due to guerilla activity;
- changes in oil and natural gas prices and the impact of such changes on cash flow;
- uncertainties associated with estimating reserves and the development of undeveloped reserves;
- royalties payable in respect of oil and gas production;
- governmental regulation of the oil and gas industry, including income tax and environmental regulation, in particular, changes in governments or governmental regulation;
- fluctuation in foreign exchange or interest rates;

- stock market volatility and market valuations;
- the impact of environmental events and weather conditions;
- currency, exchange and interest rates;
- unanticipated technical or operating events which can impact testing and drilling operations, reduce production or cause production to be shut-in or delayed;
- advanced recovery and waterflood operations may not have the impact currently anticipated;
- the emergence of accretive growth opportunities;
- the Company's ability to execute its acquisition strategy in line with its current expectations and plans and its ability to identify suitable targets for acquisition, the criteria to be considered in connection therewith and the benefits to be derived therefrom;
- the Company's ability to obtain required consents and approvals from governmental and regulatory authorities, industry partner and other third parties in the manner or the timelines required; and
- third party performance of obligations under contractual arrangements.

Statements relating to "reserves" and "resources" are deemed to be forward-looking statements, as they involve the implied assessment, based on certain estimates and assumptions that the resources and reserves described can be profitably produced in the future. Although the current capital spending program is based on current expectations of management, there may be circumstances in which, for unforeseen reasons, a reallocation of funds may be necessary as determined at the discretion of the Company and there can be no assurance as at the date hereof as to how those funds may be reallocated. Should any one of a number of issues or risks arise, the Company may find it necessary to further alter its current business strategy and/or capital program. Readers are cautioned that the foregoing list of factors is not exhaustive. Additional risk factors that could impact the Company are set out under the caption "Risk Factors" in the Company's MD&A. These filings are available under the Company's profile on the SEDAR website at www.sedar.com.

The forward-looking information contained in this Statement is expressly qualified by this cautionary statement.

Any "financial outlook" contained in this Statement, as such term is defined by applicable securities laws, is provided for the purpose of providing information about management's current expectations and plans relating to the future. Readers are cautioned that reliance on such information may not be appropriate for other purposes.

Readers are cautioned that the foregoing lists of factors are not exhaustive. The forward-looking information contained in this Form 51-101F1 is expressly qualified by this cautionary statement. The Company does not undertake any obligation to publicly update or revise any forward-looking information, other than as required by applicable securities laws.

FORM 51-101 F1

Statement of Reserves Data and Other Oil and Gas Information for NG Energy International Corp.

The reserves of NG Energy International Corp. were evaluated by the following independent qualified reserves evaluators effective December 31, 2021: (a) Petrotech, independent qualified evaluators of Calgary, Alberta:

1. Petrotech prepared the Petrotech Report dated March 25, 2022, effective December 31, 2021, entitled "Evaluation of the Interests of NG Energy International Corp. in the Gas Reserves of the Maria Conchita Block in the Onshore Guajira Basin, Colombia".

Part 1 DATE OF STATEMENT

Item 1.1 Relevant Dates

This Statement of NGE is dated as follows:

1. Date of Statement: March 25, 2022
2. Effective Date: December 31, 2021
3. Preparation Date: March 25, 2022

The following information is related to the Company's reserves, future net revenue and discounted value of future net cash flow of the conventional natural gas and natural gas liquids in Colombia. Petrotech, estimated the reserves and contingent resources effective December 31, 2021 for the Colombian asset in the Petrotech Report. The Company used the reserves in the preparation of its financial statements for the fiscal year ended December 31, 2021.

All of the Company's oil and gas reserves are onshore, in Colombia. Consistent with the Company's Form 51-101F1 for its fiscal year ended December 31, 2021, the Company uses natural gas liquids and conventional natural gas as the two product types to report the Company's reserves herein.

The following tables provide the reserves data and the breakdown of future net revenue by commodities and reserve category using forecast prices and costs, based on the Company's working interest portion before royalties (gross) and/or after royalties (net) (see "Notes and Definitions"). The pricing used in tables that reflect forecast price evaluations is set forth in Item 3.2. All dollar amounts referenced herein, unless otherwise indicated, are expressed in United States dollars. In certain instances, numbers may not total due to computer-generated rounding. In such cases, differences are not material and amounts presented are as shown in the Petrotech Report.

All reserves information contained herein has been prepared and presented in accordance with NI 51-101.

The reserves on the properties described herein are estimates only. Actual reserves on the properties may be greater or less than those calculated. The estimated future net revenue contained in the tables herein does not necessarily represent the fair market value of the reserves. There is no assurance that forecast prices and costs assumed in the Petrotech Report will be attained, and variances could be material. Assumptions and qualifications relating to costs and other matters are summarized in the various tables below. See also "Forward-Looking Information" and "Risk Factors" in Management's Discussion and Analysis of the Company's Financial Condition and Results of Operation for the years ended December 31, 2021 and 2020 ("MD&A"), available at www.sedar.com.

The disclosures contained in this report represent information related to the Company's reserves, future net revenue and discounted value of future net cash flows as of December 31, 2021.

PART 2 – DISCLOSURE OF RESERVES DATA

Item 2.1 Reserves Data (Forecast Prices and Costs)

Item 2.1.1 Breakdown of Reserves

<u>Onshore Colombia</u>

Reserves Category	Light & Medium Crude Oil		Heavy Crude Oil		Conventional Natural Gas (1)		Natural Gas Liquids		BOEs	
	Gross (2) (Mbbls)	Net (3) (Mbbls)	Gross (2) (Mbbls)	Net (3) (Mbbls)	Gross (2) (MMcf)	Net (3) (MMcf)	Gross (2) (Mbbls)	Net (3) (Mbbls)	Gross (2) (Mbbls)	Net (3) (Mbbls)
Proved										
Developed Producing	-	-	-	-	-	-	-	-	-	-
Developed Non-Producing	-	-	-	-	-	-	-	-	-	-
Undeveloped	-	-	-	-	12,536	11,727	1	0	2,091	1,955
Total Proved	-	-	-	-	**12,536**	**11,727**	**1**	**0**	**2,091**	**1,955**
Probable	-	-	-	-	15,130	14,131	4	0	2,525	2,356
Total Proved + Probable	-	-	-	-	**27,666**	**25,859**	**5**	**0**	**4,616**	**4,310**

(1) Estimates of reserves of conventional natural gas include by-products but excluding solution gas from oil wells
(2) "Gross Reserves" are Company's working interest reserves before the deduction of royalties.
(3) "Net Reserves" are Company's working interest reserves after deductions of royalty obligations plus the Company's royalty interests.
(4) NOTE: The Argentina assets were sold effective October 1, 2020.
NOTE: The numbers in these tables may not add exactly due to rounding

Item 2.1.2 Net Present Value of Future Net Revenue

<u>Onshore Colombia</u>

The after-tax net present value of the Company's oil and gas properties here reflects the tax burden on the properties on a stand-alone basis. It does not consider any tax planning. It does not provide an estimate of the value at the reporting issuer's related business entity, which may be significantly different. The financial statements and the management's discussion & analysis of the Company should be consulted for information at the level of the reporting issuer.

Reserves Category	Before Income Taxes – Discounted at (%/yr)					After Income Taxes – Discounted at (%/yr)					Unit Value BFIT @ 10%/yr
	0% M US$	**5% M US$**	**10% M US$**	**15% M US$**	**20% M US$**	**0% M US$**	**5% M US$**	**10% M US$**	**15% M US$**	**20% M US$**	**($/BOE)**
Proved											
Developed Producing	-	-	-	-	-	-	-	-	-	-	-
Developed Non-Producing	-	-	-	-	-	-	-	-	-	-	-
Undeveloped	28,422	22,801	18,763	15,788	13,542	22,832	18,116	14,743	12,269	10,413	9.60
Total Proved	**28,422**	**22,801**	**18,763**	**15,788**	**13,542**	**22,832**	**18,116**	**14,743**	**12,269**	**10,413**	**9.60**
Probable	50,536	39,300	31,197	25,225	20,730	34,547	26,744	21,126	16,991	13,884	13.24
Total Proved + Probable	**78,958**	**62,101**	**49,960**	**41,013**	**34,272**	**57,379**	**44,861**	**35,868**	**29,260**	**24,297**	**11.59**

For the table above:

- Reference Item 2.1(1) and (2) of Form 51-101F1
- NPV of FNR includes all resource income: Sale of oil, gas byproduct reserves, processing of third-party reserves, other income
- Income Taxes includes all resources income, appropriate income tax calculations and prior tax pools
- The unit values are based on net reserve volumes before income tax (BFIT)

NOTE 1: the numbers in these tables may not add exactly due to rounding

NOTE 2: Barrels of Oil Equivalent (BOE) have been reported based on natural gas conversions of 6 Mcf/1 bbl

(1) NOTE: The Argentina assets were sold effective October 1, 2020.

Item 2.1.3 (a) (b) Additional Information Concerning Future Net Revenue

<u>Onshore Colombia</u>

Reserves Category	Revenue (M US$)	Royalties (M US$)	Operating Cost (M US$)	Development Cost (M US$)	Aband. & Reclam. Cost (M US$)	BT Future Net Revenue (1) (M US$)	Income Taxes (M US)	AT Future Net Revenue (1) (M US$)
Proved Producing	-	-	-	-	-	-	-	-
Proved Developed	-	-	-	-	-	-	-	-
Total Proved	71,824	10,254	23,763	7,834	1,551	28,422	5,590	22,832
Total Proved + Probable	163,515	23,280	51,460	8,239	1,578	78,958	21,579	57,379

(1) BT = Before Taxes, AT = After Taxes

(2) Operating cost less processing and other income

NOTE: the numbers in this table may not add exactly due to rounding

Item 2.1.3(c) Net Present Value of Future Net Revenue by Product Type based on Forecast Prices and Costs

<u>Onshore Colombia</u>

Reserves Category	Product Type	BFIT Future Net Revenue Discounted (10%/year) (1) (M US$)	Unit Value (2) ($/BOE)
PROVED	Light & Medium Crude Oil (including solution gas)	-	-
	Heavy Crude Oil	-	-
	Conventional Natural gas (including by-products but excluding solution gas from oil wells)	18,763	9.60
PROVED + PROBABLE	Light & Medium Crude Oil (including solution gas)	-	-
	Heavy Crude Oil	-	-
	Conventional Natural gas (including by-products but excluding solution gas from oil wells)	49,960	11.59

(1) The unit values are based on net reserves volumes before income tax (BFIT)

NOTE 1: the numbers in this table may not add exactly due to rounding

NOTE 2: Barrels of Oil Equivalent (BOE) have been reported based on natural gas conversions of 6 Mcf/1 bbl

Item 2.2 Supplemental Disclosure (Constant Prices and Costs)

Not applicable.

PART 3 PRICING ASSUMPTIONS

The following tables set forth the benchmark reference prices, as at December 31, 2021, reflected in the Reserves Data.

Item 3.1 Constant Prices Used in Supplementary Estimates

Not applicable.

Item 3.2 Forecast Prices Used in Estimates

Item 3.2.1(a)

COLOMBIA:

These price assumptions were provided to the Company by Petrotech.

The forecast gas price is based on a Terms & Conditions sheet (the "Sheet"), dated December 27, 2019 and amended December 15, 2020, between MKMS ENERJI Sucursal Colombia (a subsidiary of the Company) and Energy Transitions SAS ESP (see Appendix C). The proposed sales gas contract is for ten years from December 1, 2021, or before if treatment and connection facilities are ready to operate, and is for a gas volume of 16 million scf/d. The gas price starts at $5.08/million Btu (USD) and is indexed annually with the Producers Price Index (PPI) series WPSFD41312. The first update will take place on December 1, 2022. NOTE: The year-end 2021 reserves report is based on the 2022 gas price of $5.09/million Btu (USD).

Date	Gas Price in USD ($/million Btu)
2021	$5.08
2022	$5.09
2023	$5.25
2024	$5.41
2025	$5.57
2026	$5.74
2027	$5.91
2028	$6.09
2029	$6.27
2030	$6.46
2031	$6.65
2032	$6.85
2033	$7.06

2034	$7.27
2035	$7.49
2036	$7.72
2037	$7.95
2038	$8.19
2039	$8.43

The forecast condensate price is based on average prices for condensate sold in the neighbouring fields Bullerenge and Bonga-Mamey for 2021. The condensate prices are escalated at 2% per year after 2022.

Date	Condensate Price ($/bbl)
2022	$62.16
2023	$63.41
2024	$64.68
2025	$65.97
2026	$67.29
2027	$68.63
2028	$70.01
2029	$71.41
2030	$72.84
2031	$74.29
2032	$75.78
2033	$77.29
2034	$78.84
2035	$80.42
2036	$82.03
2037	$83.67
2038	$85.34
2039	$87.05

The year-end 2021 evaluation assumed that the sales gas purchase contract can be extended after the initial ten years.

Item 3.2.1(b) Weighted Average Historical Prices

See 6.9 for the prices received.

Item 3.2.2

See 3.2.1 (a) above.

Item 3.2.3

The pricing assumptions specified in Item 3.2.1 above were provided by Petrotech for the Colombian property.

PART 4 RECONCILIATION OF CHANGES IN RESERVES

The following tables set forth a reconciliation of the Company's gross proved, gross probable and gross proved plus probable oil reserves as at December 31, 2021 against such reserves as at December 31, 2020 based on forecast prices and cost assumptions. NOTE: The Argentina assets were sold effective October 1, 2020.

Item 4.1 Reserves Reconciliation

Onshore Colombia

COLOMBIA

	Total Oil (MBBL)	Light/Medium Crude Oil (MBBL)	Heavy Crude Oil (MBBL)	Conventional Natural Gas (MMCF)	NGL (MBBL)	TOTAL MBOE
TOTAL PROVED PRODUCING						
TOTAL PROVED						
Opening Balance (December 31, 2020)	-	-	-	12,535.9	1.3	2,090.6
Product Type Transfer	-	-	-	-	-	-
Extensions	-	-	-	-	-	-
Infill Drilling	-	-	-	-	-	-
Improved Recovery	-	-	-	-	-	-
Resource Transfers	-	-	-	-	-	-
Technical Revisions*	-	-	-	-	-	-
Discoveries	-	-	-	-	-	-
Acquisitions**	-	-	-	-	-	-
Dispositions**	-	-	-	-	-	-
Economic Factors ***	-	-	-	-	-	-
Production	-	-	-	-	-	-
Closing Balance (December 31, 2021)	-	-	-	12,535.9	1.3	2,090.6
TOTAL PROBABLE						
Opening Balance (December 31, 2020)	-	-	-	15,129.9	4.1	1,216.3
Product Type Transfer	-	-	-	-	-	-
Extensions	-	-	-	-	-	-
Infill Drilling	-	-	-	-	-	-
Improved Recovery	-	-	-	-	-	-
Resource Transfers	-	-	-	-	-	-
Technical Revisions*	-	-	-	-	-	-
Discoveries	-	-	-	-	-	-
Acquisitions**	-	-	-	-	-	-
Dispositions**	-	-	-	-	-	-
Economic Factors ***	-	-	-	-	-	-
Production	-	-	-	-	-	-
Closing Balance (December 31, 2021)	-	-	-	15,129.9	4.1	1,216.3
TOTAL PROVED + PROBABLE						
Opening Balance (December 31, 2020)	-	-	-	27,665.7	5.4	3,017.8
Product Type Transfer	-	-	-	-	-	-
Extensions	-	-	-	-	-	-
Infill Drilling	-	-	-	-	-	-
Improved Recovery	-	-	-	-	-	-
Resource Transfers	-	-	-	-	-	-
Technical Revisions*	-	-	-	-	-	-
Discoveries	-	-	-	-	-	-
Acquisitions**	-	-	-	-	-	-
Dispositions**	-	-	-	-	-	-
Economic Factors ***	-	-	-	-	-	-
Production	-	-	-	-	-	-
Closing Balance (December 31, 2021)	-	-	-	27,665.7	5.4	3,017.8

The numbers in this table may not exactly add due to rounding.

* Includes technical revisions due to reservoir performance, geological and engineering changes; economic revisions due to changes in economic limits; and working interest changes resulting from the timing of interest reversions.

** Includes production attributable to any acquired interests from the acquisition date to effective date of the report and production realized from disposed interests from the opening balance date to the effective date of disposition.

*** includes economic revisions related to price and royalty factor changes.

Barrels of Oil Equivalent (boe) have been reported based on natural gas conversions of 6 Mcf/1 bbl.

PART 5 ADDITIONAL INFORMATION RELATING TO RESERVES DATA

Management continues to implement asset prioritization strategies, which may affect the timing of the development of the Company's reserves. The Company anticipates prudently pursuing the development of its undeveloped reserves. The Company may choose to delay development, depending on a number of circumstances, including the existence of higher priority expenditures, prevailing commodity prices and the availability of funds. In general, the Company plans to develop all of the proved and probable undeveloped reserves over the next five years. There are a number of factors that could result in delayed or canceled development, including the following: (i) changing economic conditions (due to commodity pricing, operating and capital expenditure fluctuations); (ii) changing technical conditions (including production anomalies, such as water breakthrough or accelerated depletion); (iii) multi-zone developments (for instance, a prospective formation completion may be delayed until the initial completion formation is no longer economic); (iv) a larger development program may need to be spread out over several years to optimize capital allocation and facility utilization; and (v) surface access issues (including those relating to land owners, indigenous communities, weather conditions and regulatory approvals).

The following tables set forth the proved undeveloped reserves and the probable undeveloped reserves, each by product type, attributed to the Company's assets for the three years ended December 31, 2021 and, in the aggregate, before that time based on forecast prices and costs.

Item 5.1 Undeveloped Reserves

	Light & Medium Crude Oil		Heavy Crude Oil		Conventional Natural Gas		Natural Gas Liquids	
	First Attributed (Gross) (Mbbl)	Booked (Gross) (Mbbl)	First Attributed (Gross) (Mbbl)	Booked (Gross) (Mbbl)	First Attributed (Gross) (MMcf)	Booked (Gross) (MMcf)	First Attributed (Gross) (Mbbl)	Booked (Gross) (Mbbl)
Proved Undeveloped								
Dec. 31, 2019	-	-	-	-	-	-	-	-
Dec. 31, 2020	-	-	-	-	1,821	-	-	-
Dec. 31, 2021	-	-	-	-	-	1,821	-	-
Probable Undeveloped								
Dec. 31, 2019	-	-	-	-	-	-	-	-
Dec. 31, 2020	-	-	-	-	7,896	-	-	-
Dec. 31, 2022	-	-	-	-	-	7,896	-	-

Item 5.2 Significant Factors or Uncertainties Affecting Reserves Data

The process of evaluating reserves is inherently complex. It requires significant judgments and decisions based on available geological, geophysical, engineering, and economic data. These estimates may change substantially as additional data from ongoing development activities and production performance becomes available and as economic conditions impacting oil and gas prices and costs change. The reserve estimates contained herein are based on current production forecasts, prices, and economic conditions. These factors and assumptions include, among others: (i) historical production in the area compared with production rates from analogous producing areas; (ii) initial production rates; (iii) production decline rates; (iv) ultimate recovery of reserves; (v) success of future development activities; (vi) marketability of production; (vii) effects of government regulations; and (viii) other government levies imposed over the life of the reserves.

As circumstances change and additional data becomes available, reserve estimates also change. Estimates are reviewed and revised, either upward or downward, as warranted by the new information. Revisions are often required due to changes in well performances, prices, economic conditions, and government restrictions. Revisions to reserve estimates can arise from changes in year-end prices, reservoir performance, and geologic conditions or production. These revisions can be either positive or negative.

Item 5.3 Future Development Costs

Colombia

	Forecast Prices and Costs	
Year	**For Proved Reserves (M US$)**	**For Proved + Probable Reserves (M US$)**
2022	1,500	1,500
2023	2,000	2,000
2024	4,247	4,247
2025	44	87
2026	-	-
Remaining	**44**	**404**
Total	**7,834**	**8,239**
Undiscounted	**7,834**	**8,239**
Discounted @ 10%	**6,575**	**6,801**

Future Development Costs shown are associated with booked reserves in the Reserves Report(s) and do not necessarily represent the Company's full exploration and development budget

NOTE: the numbers in the table may not add exactly due to rounding
NOTE: the Argentina assets were sold effective October 1, 2020.

PART 6 OTHER OIL AND GAS INFORMATION

Item 6.1.1 Oil and Gas Properties and Wells

All the Company's properties are located onshore in Colombia. The Argentina assets were sold effective October 1, 2020.

The following should be read in conjunction with the MD&A for the year ended December 31, 2021, where greater detail can be found.

Maria Conchita Block

The Company maintains an 80% participating interest and operatorship of the Maria Conchita Block, which initially covered an area of approximately 60,076 acres in the Department of

Guajira, Colombia. Between February and March 2018, the Company drilled the Istanbul 1 well as an exploration well that fulfilled the commitments with the government under the exploration license. Although the well logged favorable reservoir quality formations, the testing was inconclusive, and the well was suspended pending a re-entry.

On September 3, 2018, an Evaluation Program covering an area of 32,518 acres was declared around the Istanbul 1 well in which the reserves and prospective resources exist and are covered by the existing 3D seismic. The Evaluation Program has been extended up to September 2, 2021, and is currently under way. On December 7, 2018, the Company notified the Agencia de Hidrocarburos Nacional ("ANH") of its intention not to proceed to Phase 3 of the exploration program and to return the areas of the Maria Conchita Block not covered by the Evaluation Program.

In August 2020, the re-entry of the Aruchara-1 well to repair a gas leak was finished as a result of implementing the work program approved by the ANH. After drilling the cement plugs and controlling the well, Drill Stem Tests ("DSTs") were carried out to determine the origin, pressure, and volume of natural gas to repair, complete, and secure the well. As part of the re-entry program, three DST procedures of this well were conducted by the Company. The three DST procedures occurred between 8,052 and 8,121 feet measured depth with maximum rates of 7.75 to 10.98 mmcf/d through a 48/64" choke at pressures of 2,075 to 2,271 psig and final shut-in pressures of 3,505 to 3,547 psig. The absolute open flow potential was estimated at 19.0 mmcf/d and a potential of 14.3 mmcf/d with a 50% drawdown.

The current Evaluation Program for the Maria Conchita Block consists of geological and geophysical studies and an evaluation of re-entries on the existing wells, which has been extended into 2022 with the option to present a development plan of the field in late 2022. Based on the results of a study in May 2021, the Company re-entered the Istanbul-1 well. Preliminary testing in several zones of the Istanbul-1 well encountered gas. The purpose of the re-entry of the Istanbul-1 well was to repair wellbore damage, evaluate the potential extension of the Aruchara-1 well producing zones, and define the production potential of new identified gas zones.

The existence of gas was tested in all of the evaluated zones, with presence of water. It was established that the intervals 8,396 to 8,416 feet and 8,426 to 8,438 feet present good gas production potential, expanding the prospects of the area. Based on the above, it was decided by the Company to complete the well temporarily, while identifying the best procedure to prevent water from influencing gas production. With this objective, existing technologies are being analyzed and the best mechanism is being defined to put the well into continuous production as soon as possible.

Based on the results of the Aruchara-1 well testing and the results of the re-entry of the Istanbul-1 well and the test through dewatering capillary technology, the Company will determine a subsequent work program which might include the drilling of 2 to 3 additional wells. This same analysis is anticipated to also be carried out in the area near the Tinka-1 well (drilled in 1988 by Ecopetrol, S.A.) in 2022 to define the maximum commercial capacity of the field and the possibility of drilling 2 more wells in the Tinka area.

Maria Conchita is approximately 12 miles to the southern gas trunk line.

SN-9 Block

The Company maintains an 72% beneficial working interest in the SN-9 Block. The SN-9 Block is located in the Lower Magdalena Valley. The Hechizo well was drilled on the block by Ecopetrol in 1992 and tested gas in the Cienaga de Oro formation at a depth of approximately 7,500 ft. The SN-9 Block covers an area of approximately 311,353 acres in the Department of Cordoba, Colombia. The SN-9 Block is in the first phase of a two-phase exploration contract, phases 1 and 2 are three years.

The Company is in the process of carrying out the exploration activities in stages which will satisfy the minimum work obligations. During 2021, the Company finished the study of the environmental impact. In September 2021, the requisite environmental license to commence drilling operations in the block was obtained from the National Authority of Environmental Licenses. Current plans are the drilling of two exploration wells in the Magico and Milagroso areas. The second stage will then focus on evaluating the Hechicero / Brujo and Hechizo areas, including drilling two additional exploration wells and acquiring 3D seismic for the development of the field. The field operator requested a 12-month extension of the Phase 1 exploration commitment due to the ongoing COVID-19 outbreak, which was approved by the ANH. Currently, Phase 1 exploration commitments must be completed by July 2022. The Company expects to have drilling rigs on site in Q2 2022 to commence the initial drilling plan outlined previously.

In March 2021, the Company announced the results of the year end 2020 resource reports for the SN-9 Block prepared by Petrotech Engineering Ltd. The Company confirmed best estimate contingent resources of 51.4 Bcf, best prospective resources of 836.4 Bcf for prospects and 637.4 Bcf for leads in the SN-9 Block. The 51.4 Bcf contingent resources are based on the results of the tests made in the Hechizo-1 well drilled by Ecopetrol in 1992 and the two drill stem tests from 4,056 to 4,080 feet and from 4,182 to 4,196 feet in the Cienaga de Oro Formation with total combined flow rates close to 10 mmcf/d. Twelve prospects in the Porquero, Top Cienaga de Oro and Intra Cienaga de Oro areas with five leads have been identified using 2D seismic data. As mentioned above, the Company intends to start a 4-well exploration drilling program, subject to receiving the required permits, in Q2 2022.

SN-9 is approximately 16 miles to the southern gas trunk line.

Tiburon Block

The Company maintains a definitive right to earn up to 40% beneficial working interest and operatorship in the Tiburon Block, which covers an area of approximately 245,850 acres in the Department of La Guajira, Colombia. The E&P Contract for the Tiburon Block is a contract for the exploration and production of conventional hydrocarbons, dated June 14, 2006. The Tiburon Block is in the third phase of a six-phase exploration contract, phases 3 to 6 are one year.

The current phase carries a minimum work obligation to acquire, process, and interpret 69.75 km^2 of 3D seismic. The phase commitment is currently suspended due to "Force Majeure and Third-Party Acts" due to local community issues within the region outside the control of the Company.

In light of the force majeure situation, the Company has carried out technical studies of the area in order to present for the consideration of the ANH the request to change the identified area within the Tiburon Block where the current minimum work obligation of 3D seismic is to be completed, and alternatively complete the acquisition, processing and interpretation of 112 km 2D seismic in the Bahia Honda area within the Tiburon Block, which is equivalent to the current Phase 3 commitment of the E&P Contract of 69.75 km^2 of 3D seismic.

This alternative request is based on the technical study carried out on the area of the Tiburon Block, as well as on the analysis of its geological model. Through the study and re-interpretation of the existing information, the Company has concluded that the Bahia Honda area (La Guajira) shows a higher level of perspectivity, being able to determine structures, leads and geological prospects of interest. In addition, there exists less uncertainty regarding social acceptance and the completion of the requisite prior consultation process in this area. This will ultimately allow the Company to execute the exploration activities and commitments of the E&P Contract with a higher probability of success.

The Company will comply with the phase commitments of the Tiburon E&P Contract once the community conflicts existing in the area have been resolved. The timing of any conflict resolution is unknown at this time. Meanwhile, the Company intends to start environmental and social analysis to execute the seismic activities, pending the outcome of the ongoing COVID-19 outbreak and the resolution of the local community conflicts that are impeding any progress in the area.

Tiburon is approximately 130 miles to the Colombian gas trunk hub.

Item 6.1.2 Gross and Net Oil and Gas Wells

Existing Wells at December 31, 2021

	Oil		Gas	
Colombia	**Gross**	**Net**	**Gross**	**Net**
Producing	-	-	-	-
Non-Producing	-	-	2	1.60
TOTAL	**-**	**-**	**2**	**1.60**

Item 6.2 Properties with No Attributed Reserves

Exploration Blocks and Commitments

Basin	Block	Current Phase	Remaining Commitments, Current Phase
Guajira, Colombia	Tiburon	3rd Exploration (1)	Acquire 70 sq km of 3D seismic
Sinú, Colombia	SN-9	1st Exploration	1 exploration well and 125.75 sq km of 3D seismic

(1) Currently suspended.

Developed and Undeveloped Acreage

The following table sets forth the Company's developed and undeveloped oil and gas lease and mineral acreage as of December 31, 2021:

	Developed		Undeveloped		Total	
	Gross (acres)	Net (acres)	Gross (acres)	Net (acres)	Gross (acres)	Net (acres)
Colombia	-	-	592,007	422,837	592,007	422,837

Item 6.2.1 Significant Factors or Uncertainties Relevant to Properties with No Attributed Reserves

The Company expects that its ability to meet commitments on properties with no attributable reserves will be impacted by several factors including the Company's analysis of geological and reservoir information, the commodity price environment and the costs associated with exploration and development activities and its ability to raise capital. Additional risk factors affecting the Company's business and operations are set forth under the caption "Risk Factors" in its MD&A and this and other filings are available on SEDAR at www.sedar.com.

Item 6.3 Forward Contracts

As of the Effective Date and the Preparation Date, the Company does not have any forward contracts.

Item 6.5 Tax Horizon

The Company is not expected to have significant income tax payable in Colombia or Canada in the immediate future, subject to changes in the business model, commencing production in Colombia following a successful exploration or development program or substantial increases in commodity prices.

Item 6.6 Costs Incurred

Costs are provided in the Annual Audited Consolidated Financial Statements for the year ended December 31, 2021, which was published March 25, 2022.

Item 6.7 Exploration and Development Activities

No new wells were drilled by the Company in 2021. Activities were focused on advancing environmental permitting, prior consulting, and community relations requirements in each of the Colombia properties. Such efforts in SN-9 were done so in preparation of the planned exploration activities in 2021.

Item 6.8.1 Production Estimates

The following is a summary of production estimates by product type for total proved and probable reserves for year 2022:

	Forecast Prices & Costs		
	Total Proved	**Probable**	**Total Proved + Probable**
Reserves Category	**Gross Daily Production (2)**	**Gross Daily Production (2)**	**Gross Daily Production (2)**
Light & Medium Crude Oil (bbl/d)	-	-	-
Heavy Crude Oil (bbl/d)	-	-	-
Conventional Natural Gas (mcf/d)	7,583	1,211	8,794
Natural Gas Liquids (bbl/d)	-	-	-
TOTAL (1) (boe/d)	**1,264**	**202**	**1,466**

Item 6.8.2 Production Estimates

The following is a summary of the Company share of gross production estimate by field of total Proved reserves for year 2022.

Country	Field/Block	Light & Medium Crude Oil (bbl/d)	Heavy Crude Oil (bbl/d)	Conventional Natural Gas (2) (mcf/d)	Natural Gas Liquids (bbl/d)
Colombia					
	Maria Conchita	-	-	7,583	-
Total		**-**	**-**	**7,583**	**-**

(1) Daily production is taken from the Reserves Report(s) as of December 31, 2021
(2) Estimates of reserves of conventional natural gas include byproducts but excluding solution gas from oil wells

NOTE: The Argentina assets were sold effective October 1, 2020

Item 6.9 Production History

	2021				
	Year Ended	**Q4**	**Q3**	**Q2**	**Q1**
Colombia					
Maria Conchita					
Conventional Natural Gas					
Avg. daily production (before royalties) (Mcf/d)	0.0	0.0	0.0	0.0	0.0
Price Received, before royalties ($/Mcf)	0.00	0.00	0.00	0.00	0.00
Royalties Paid ($/Mcf)	0.00	0.00	0.00	0.00	0.00
Production Costs ($/Mcf)	0.00	0.00	0.00	0.00	0.00
Netback ($/Mcf)	0.00	0.00	0.00	0.00	0.00

NOTE 1: The totals shown above may not match the corporate totals due to rounding
NOTE 2: No information is included for Colombian properties because there was no production during the calendar year 2021
NOTE 3: The Argentina assets were sold effective October 1, 2020