

Corporate presentation

Natural Gas Production & Oil Exploration Turkiye

Jan, 2025

CSE: TCF

Frankfurt: Z620

OTC: TRLEF

Trillion Energy Akçakoca Gas Production Platform, SASB Gas Field, Black Sea, Turkiye

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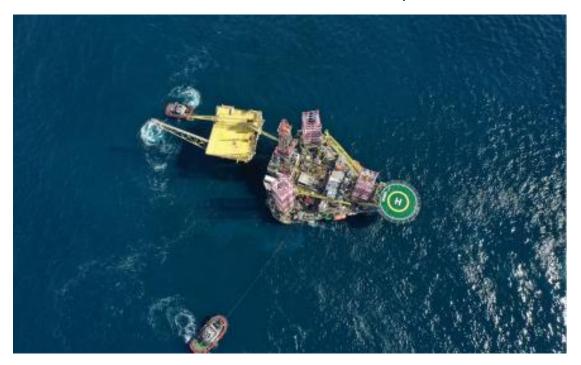


Market and Industry Data

Certain market, independent third party and industry data contained in this Presentation is based upon information from government or other independent industry publications and reports or based on estimates derived from such publications and reports. Government and industry publications and reports generally indicate that they have obtained their information from sources believed to be reliable, but none of the Company or any of its agents has conducted its own independent verification of such information. While the Company believes this data to be reliable, market and industry data is subject to variations and cannot be verified with complete certainty due to limits on the availability and reliability of raw data, the voluntary nature of the data gathering process and other limitations and uncertainties inherent in any statistical survey. None of the Company or any of its agents has independently verified any of the data from independent third party sources referred to in this Presentation or ascertained the underlying assumptions relied upon by such source.

Currency

References to dollars or "\$" are to U.S. dollars unless specified otherwise.



Company Highlights

European Gas Production- SASB Gas Field

- 49% Interest in SASB Gas Field, Black Sea, Turkiye **323 BCF OGIP** (100%) ulletOur NPV10=**\$421m**, 2P reserves **55.8 BCF** (Dec 31 '23) up from 42 BCF (2022)
- Development Program targeting ~ 17 + production wells ۲
 - 2023 5 wells drilled in 2023
 - 2024 4+ workovers **Cost \$2.7m**
- Targeting production increase to **7mmcf/d** for Q1 2025 ٠

Oil Exploration SE Turkey

Oil Exploration opportunities in S.E. Turkey proximate to recent ulletdiscoveries

High Natural	Historical CAPEX SASB	Low Royalty	Reserv	
Gas Prices	Gas Field (100% interest)	Rate	Growt	
USD\$10/MCF (Jan 2025)	\$680m	12.5%	22.5	

**See appendix for definitions. Management estimate for current 20+ well drilling program. *Operator of drilling operations and work/drilling program; TPAO is operator for daily production activities



Recent Achievements

Raised \$55 million equity +\$15m subordinated debt financing

- Successfully drilled 5 long reach Natural Gas production wells in the Black Sea using novel technology
- Production increase +300% from 2022
- Seismic completed Oil Exploration opportunity SE Turkey
- Successfully completed SASB perforation program in July 2024

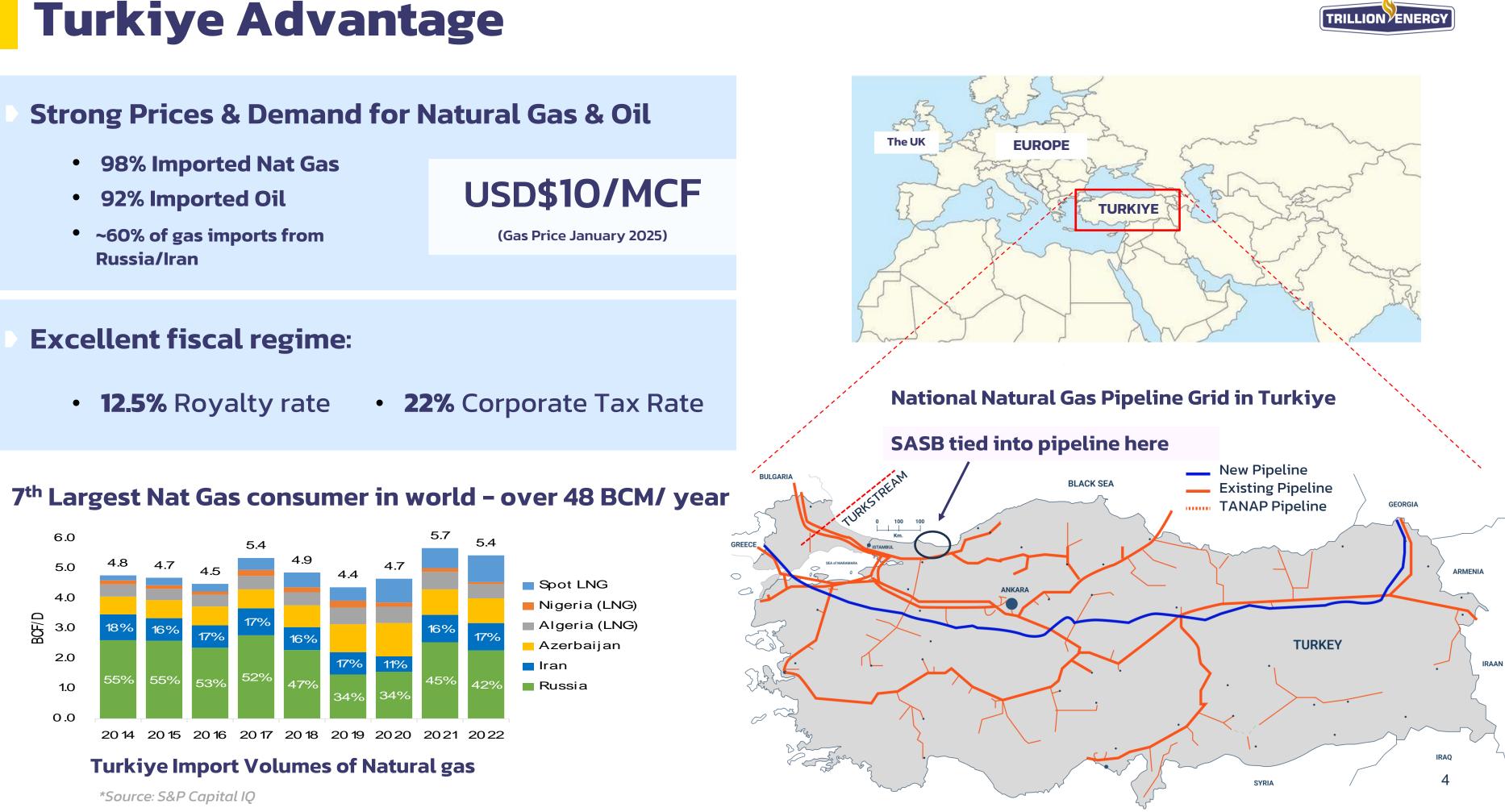
Market Capitalization:

Jan 02 '25

Market Cap:	CND\$ 11.69m
Share Price	CND\$ 0.075
Basic Shares Outstanding	157,082,516
Warrants	81,911,1427
Options	1,060,000
F.D. Shares Outstanding	240,053,658
CSE: TCF Frankfurt: Z620	OTCQB: TREEF

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5%



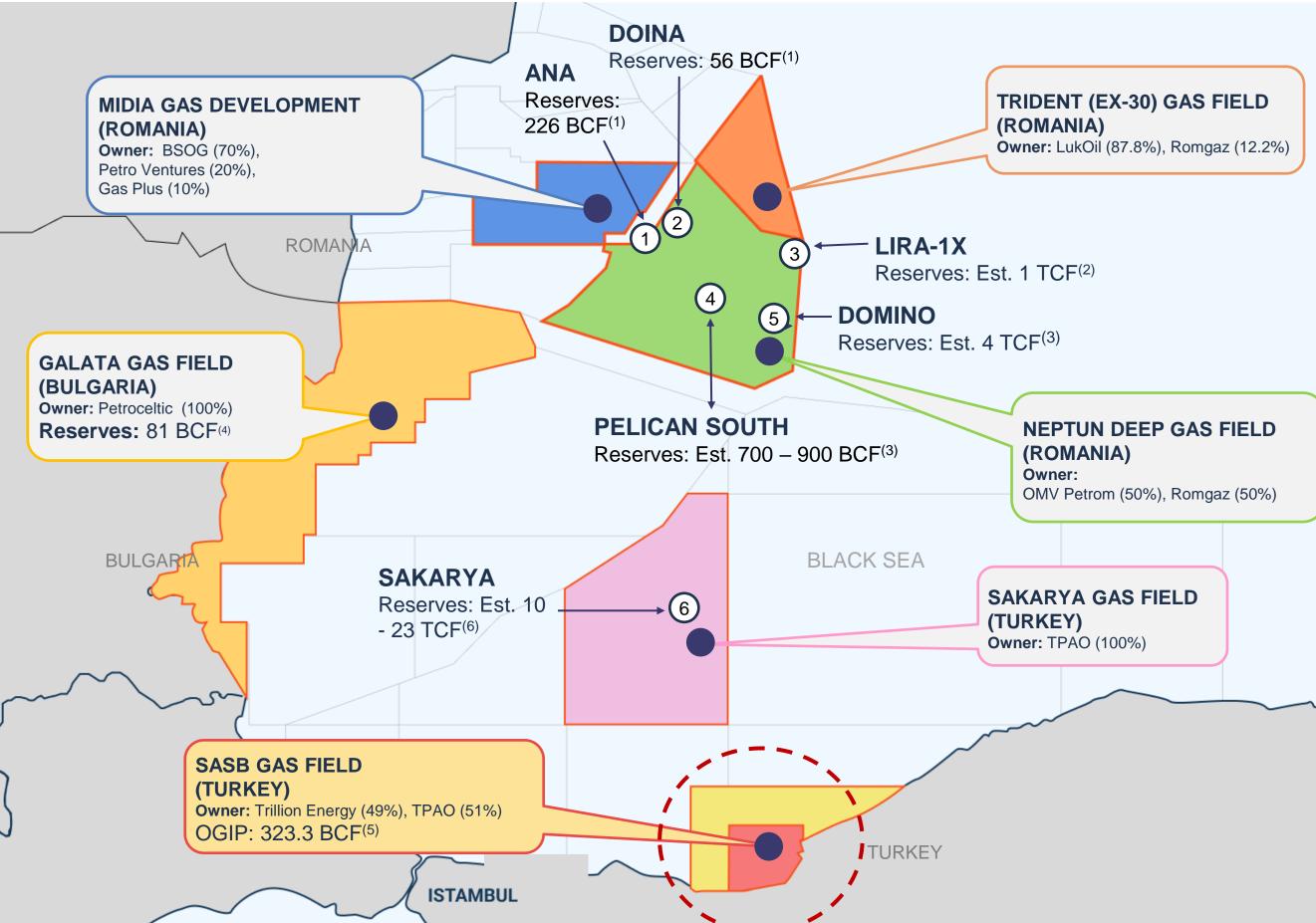


Black Sea – the new Natural Gas frontier fueling Europe





Black Sea Natural Gas Fields





The Black Sea is a key strategic area to regional energy future



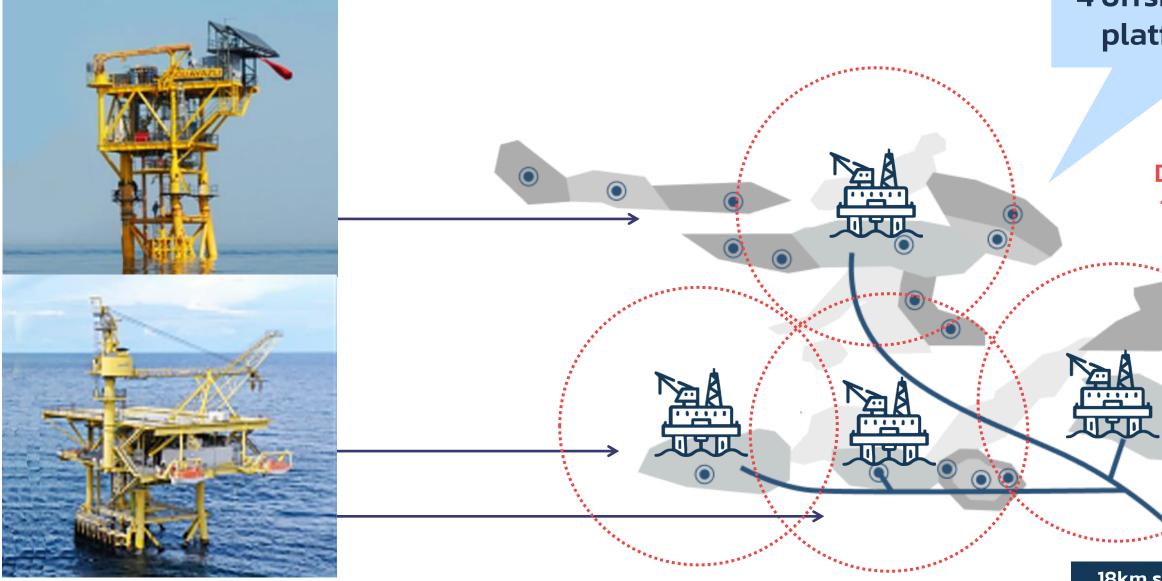
- 1) Source: www.blackseaog.com
- 2) Source: https://www.lukoil.com/PressCenter/Pressreleases/Pressrelease?rid=508 64
- 3) Source: S&P Global: Commodity Insights E&P activity in the Romanian and Bulgarian waters of the Black Sea, Oct. 2017.
- 4) Source: https://www.offshore-technology.com/projects/galata-field/
- 5) Source: Trillion Energy GLJ Report, Reserves and Prospective Resources (Risked)
- 6) Source: https://www.reuters.com/business/energy/turkeys-natural-gasfound-black-sea-now-comes-710-bcm-erdogan-2022-12-26/



SASB Infrastructure – Solid platform for future growth

Offshore platforms

@ SASB Gas Field, Black Sea



Onshore Gas Processing Facility rated 75MMcf/day, expandable to 150MMcf/day

US \$600m+ invested into historical wells & infrastructure

Processing facility tied into national Natural Gas pipeline grid

12,387 Hectare development lease valid until 2031 extendable to 2041

Shore Base 4 offshore production platform & tripods **Drilling radius reachable** from existing platforms ~ 3km **Onshore Gas Processing Facility** 18km subsea pipeline + onshore pipeline · · · · ·

Solid Reserves Growth

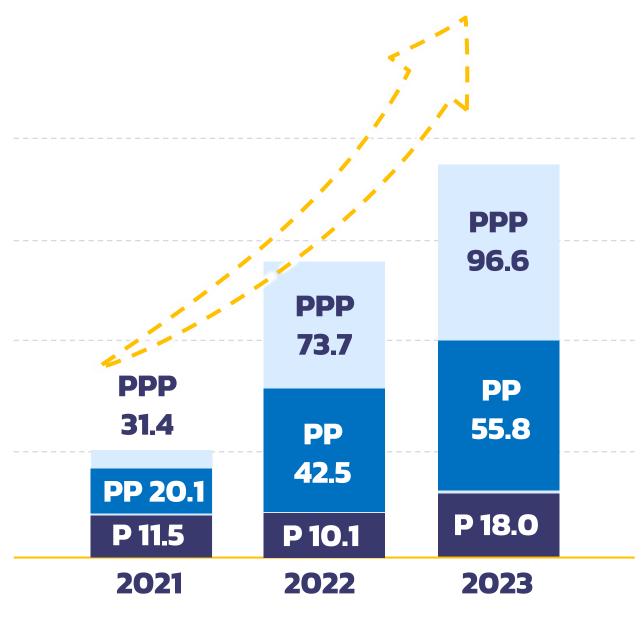
Net Reserves Summary and Net Present Value*

	Conve	ntional	NPV – 10%		
	Natural	gas (Bcf)	Before Income Tax (US\$M)		
	Dec 31 '23	Dec 31 '22	Dec 31 '23	Dec 31 '22	
Proved					
Producing	1.3	2.4	\$11.5	\$42.3	
Developed Non-Producing	8.4	0.0	\$81.9	\$1.1	
Undeveloped	8.3	7.7	\$40.9	\$80.3	
Total Proved	18.0	10.1	\$134.3	\$123.8	
Total Probable	37.8	32.4	\$286.2	\$307.8	
Total Proved + Probable	55.8	42.5	\$420.5	\$431.5	
Total Possible	40.8	31.2	\$292.2	\$299.1	
Total PPP	96.6	73.7	\$712.7	\$730.6	

*See Appendix for Glossary of Oil and gas terms. All figures presented in accordance with COGEH standards. Reserves and resources represent Trillion's 49% interest at SASB conventional natural gas resources. *See Trillion's Form 51–101F1 effective December 31, 2023 for third party reserve estimates. ** NPV 10 values assumes pricing as at December 31, 2023,. *** Future work programs include unrisked prospective resources and which are management estimates based on preliminary seismic data which is being reprocessed this year. Recovery factor used ranges between 57–70%.



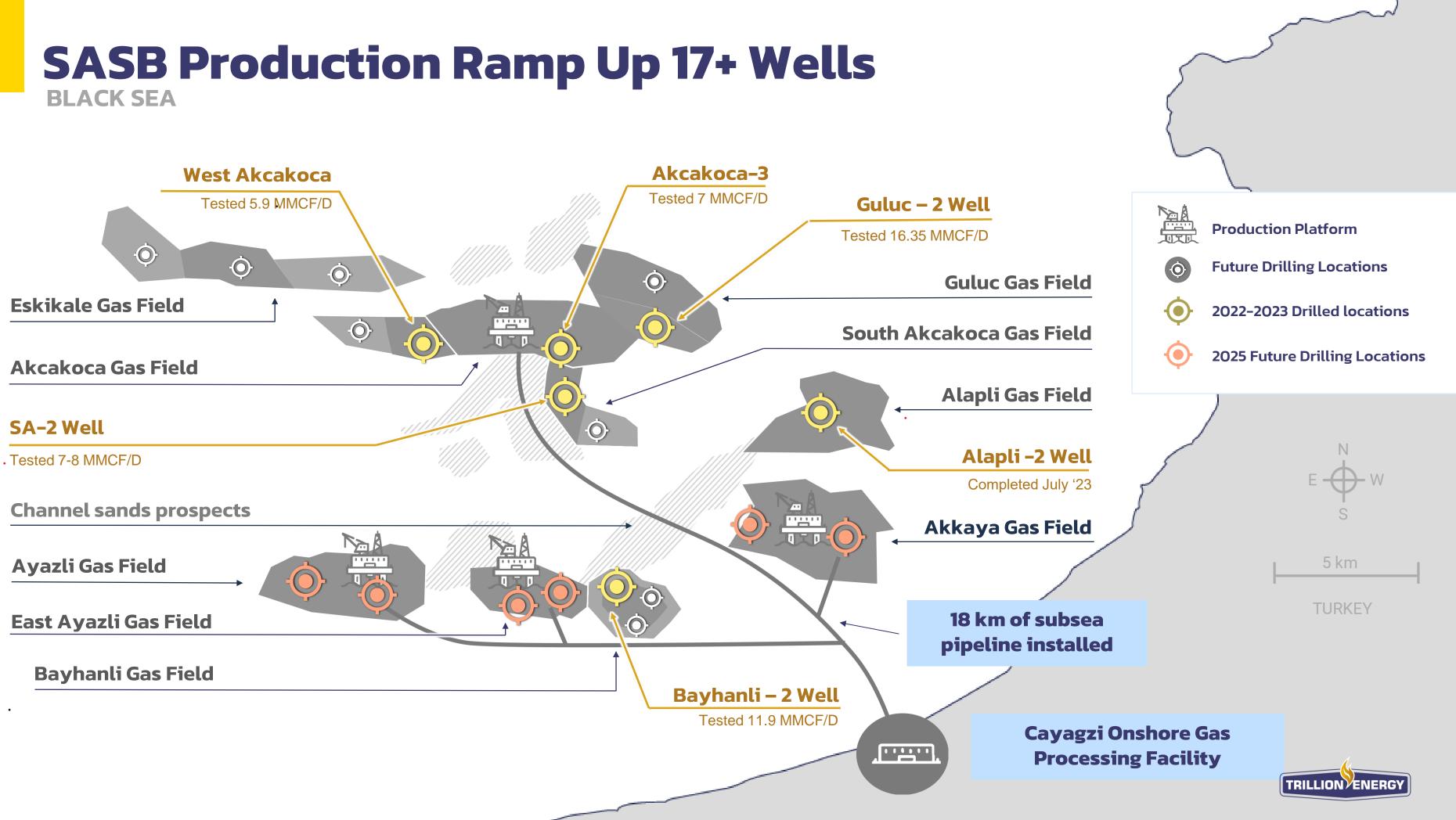
Strong Reserves Growth



 P - total proved reserves (producing, developed non-producing and undeveloped)
PP - total proved and probable reserves
PPP - total proved, probable and possible

reserves

BLACK SEA



SASB Work Program 2024–2025

Ramping up production through ALS, new perforations and sidetrack wells

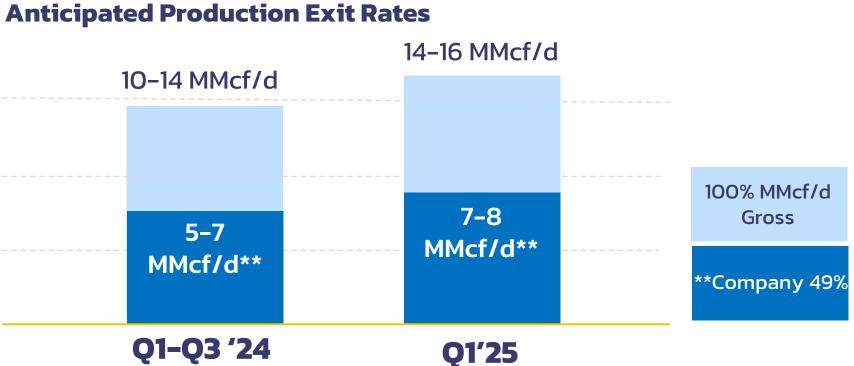
- Increase production on existing wells by installing artificial lift (water pumps) – **Cost \$2.7m**
- Add new sidetrack wells to SASB after Velocity String program and Artificial Lift is fully implemented

Cost: \$4m each (49% interest)

Program Timeline

Wells:	Q3 ′24	Q4 '24	Q1′25+			
Guluc-2	Perf. & Ve	locity String				
South Akcakoca-2	Perf. & Ve	locity String				
West Akcakoca-1	Perf. & Ve	locity String				
Akcakoca-3	Perf. & Ve					
Alapli-2	Velocity String					
Bayhanli-2	Velocity String					
East Ayazli-1	Artificial Lift					
East Ayazli-2	Artificial Lift					
Akcakoca-5	Artificial Lift					
Side-Track program commencement			sidetracks			





6-7 Sidetrack Wells planned for 2025

2022-2023	2024+			
6 wells	4+			
drilled	workovers			
Production started 2024	for long-term production + pumps installation			

Top Onshore Oil Play in Mid-Europe

Cudi-Gabar Region Oil Block, South-East Turkiye

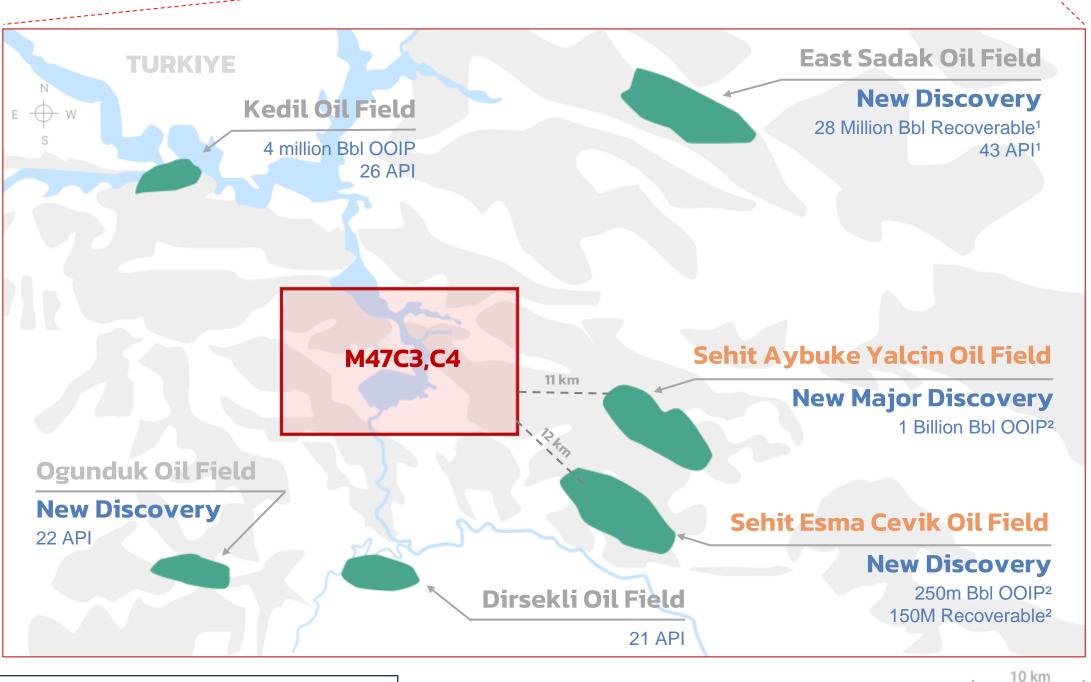


Oil Exploration Work Program Cudi-Gabar Province, South-East Turkiye

- Exploration block M47c3,c4 is close to recent high impact discoveries and oil fields
- **10 wells program** targeting discovery of 10,000 - 100,000 bbl/day oil field discovery. PPE to drill 4 wells and shoot seismic
- 2D seismic collection finished for the block
- If a discovery is made, economics are pro-rata to respective interests
- Wells expected to cost USD \$3.5 million each (gross 100%)

The definitions used are those contained in The Canadian Oil and Gas Evaluation Handbook maintained by the Society of Petroleum Evaluation Engineers (Calgary Chapter) ("COGEH") and National Instrument 51-101 - Standards of Disclosure for Oil and Gas Activities

1. UKOG Why SE Turkey & Basur-Resan Presentation, 2021 https://www.ukogplc.com/ul/UKOG_Turkey_Slides%20_FINAL_190121.pdf 2. https://www.tpao.gov.tr/file/2212/en-sehit-esma-cevik-bilgi-notu-114363997195a6d60.pdf and https://www.tpao.gov.tr/file/2305/kamuoyu-duyurusu-eng-13416452d270cb2e3.pdf



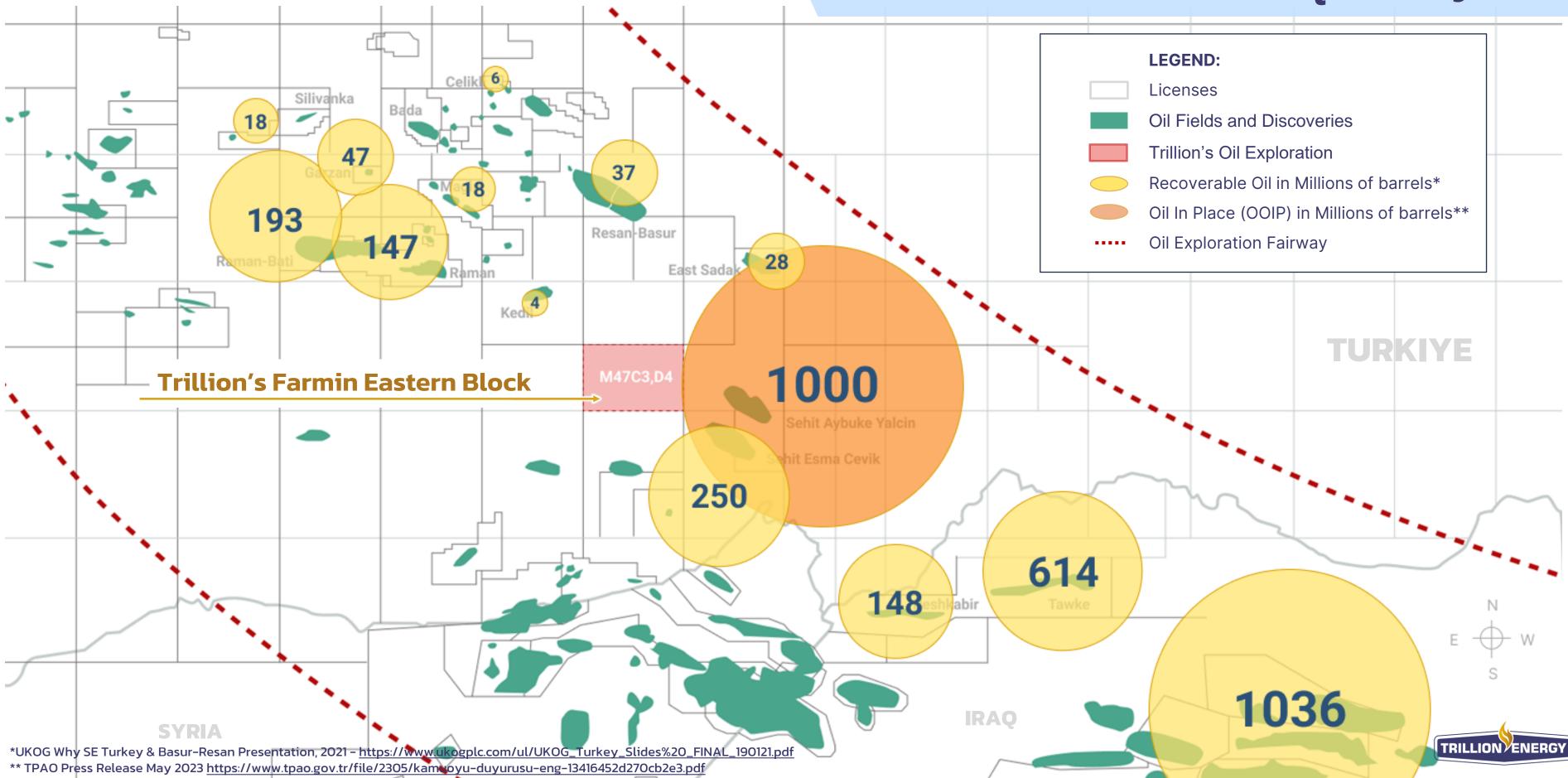






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Regional Oil Fields



Oil Rich Region Extending from Iraq and Syria

M47c3,c4 2D Seismic Acquisition Progress

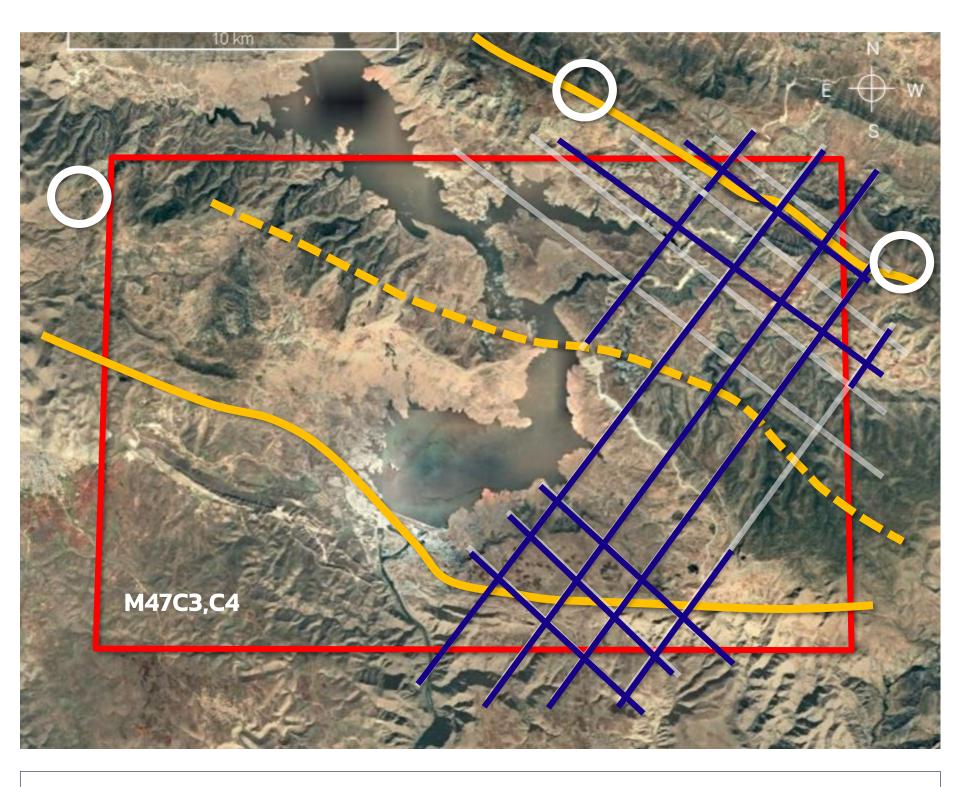
Program Information

- 50m shot point interval most of the area
- 40m shot point interval over basaltic area
- 10m receiver interval
- Line length: 150 km

- Nodal system
- Dynamite source
- 9m hole depth •
- 6kg charge size

The objective of the seismic program in M47c₃,c₄ is to evaluate the potential oil trends as shown on the map. TPAO has discovered giant oil (43 API) fields, which are producing from Sayindere and Mardin Group Formations (2,000–2,500m total depths) such as Sehit Esma Cevik and Sehit Aybuke Yalcin (Gabar) fields.

		2023							2024							
Activity	ост		NOV			DEC			JAN							
	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
Surveying									1	100%	comp	leted				
Drilling									1	100%	comp	leted				
Recording													10	0% с	omplet	ted



Completed

Data processing Current status:







M47c3,c4 Production Potential for 2025*

*Subject to discovery being made

Early production through tank farm

- 250 bbls tanker trucks can take oil from discovery to the refinery 130 km away
- Early production does not require water separation, but down the road it will need a simple water separator. Initial production is trucked for fast revenue

Estimated number of wells:	10
Est. per well production:	1,000 bbl
Est. daily field production:	10,000 bbl
Tank capacity:	11,800 bbl
Per truck capacity:	250 bbl
Number of trucks:	20
Distance to refinery:	130 km

Future Pipeline access potential

A **pipeline** will be constructed by TPAO, from **Esma and Yalkin** fields to the refinery which provides future access without trucking as pipeline develops





Tüpraş Batman Oil Refinery



5,000 600 BBL BBL SKIM OF BULK TANK WATER TAN 600 BBI PRODUCTION TEST TANK 600 BBL TANK WATER TANK 5.000 (Alternative

Production Base



Sehit Esma Cevik Field



Corporate Summary

SASB Gas Field Highlights

- Multi-well natural gas development program
- **US\$410m** NPV10 proved probable reserves
- **57 BCF** proved probable reserves
- Selling gas into worlds 6th largest market that is 90% dependent on imports

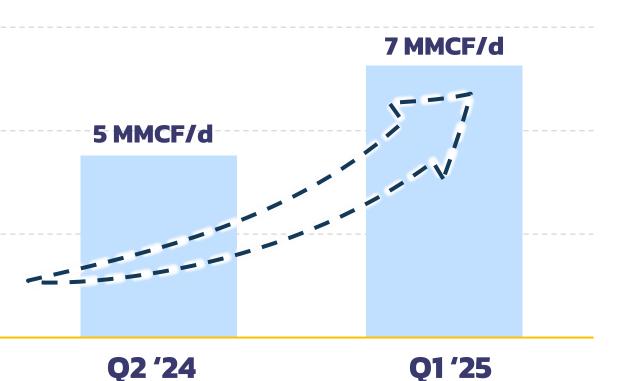
High Impact Oil & Exploration project

- **Oil field exploration** in Cudi–Gabar Oil Petroleum **Province S.E. Turkey**
- **2D seismic** data collection is completed and is being • processed
- **2 exploration wells** planned to be drilled in 2025+ • on M47c3,c4

CSE: TCF



Rapid Production Ramp-up Planned



Oil block	SASB
2 Exploration	New Sidetrack
Wells planned	Wells planned
for 2025+	for 2025

Directors & Management Team



Sean Stofer

INTERIM CEO & CHAIRMAN

Sean Stofer has over 20 years of renewable energy experience. Mr. Stofer is a graduate of the University of British Columbia in Engineering and is a registered Engineer in California. He is a founder of several successful renewable energy companies including for the arctic's largest solar array; 250 MW of solar in the USA; 200+MW of wind projects and over 300MW of hydroelectric projects. He is COO of Green Data Center Real Estate, which uses renewable energy to power data centers. Sean is leading a project of over 500 MW using wind, solar and hydropower. Sean has worked closely with Government to guide policy and has consulted to a wide range of companies. Sean was awarded the Top 40 Under 40 in Vancouver, Canada for his business achievements.



Mr. Park is a renowned energy lawyer with a particular focus on upstream oil and gas transactions. He has worked on energy projects in more than fifty countries, including Turkey. He has advised international energy companies, including oil and gas explorers, producers, marketers, pipeline companies, state oil companies, governments, banks and multilateral agencies such as the World Bank. Mr. Park was formerly CEO and then Chairman of ReconAfrica exploring for oil & gas in Namibia and Botswana. During this period ReconAfrica was twice named to the TSX Venture 50 and was the top performing 2021 TSX Venture 50 company from the energy sector. Mr. Park is currently Executive Chairman of MCF Energy Ltd. exploring for gas in Europe.



Burak Tolga Terzi 🕨 VISE PRESIDENT & DGM

Mr. Terzi holds a Bachelor of Business Administration and Master's degree in Business Administration and has over 17 years of experience in various management positions. Mr. Terzi previously worked for companies such as Valeura Energy Inc. (TSX: VLE) in Turkey, Weatherford International, SOCAR AQS (the State Oil Company of Azerbaijan Republic), in various roles. With extensive experience in the oil and gas industry, Mr. Terzi has held various roles across multiple companies, gaining comprehensive expertise in both commercial and technical aspects of the business. He has successfully managed and contributed to deep and shallow onshore and offshore drilling projects and underground gas storage projects, demonstrating a strong understanding of their operational and financial components. Additionally, Mr. Terzi has valuable experience in navigating complex challenges while ensuring cost-effective solutions and efficient execution.



Mr. Thompson has 30 years of financial experience in the oil and gas industry. He successfully founded an oil trading company in Bermuda, with offices in the U.S. and Europe, and was responsible for the company's Turkmenistan production operations in the Lhamov and Zhdanoy oil fields (offshore Caspian Sea — part of the Turkmenistan project), which discovered producing reserves of 365M barrels oil and 2 TCF gas and successfully raised over \$100M in equity. He is Managing Director of AMS Limited, a Bermuda based Management Company. He has served as Founder, President and CEO of Sea Dragon Energy Inc. (London exchange: SDX 21.00 GBP), Financial Director of Forum Energy Plc (AIM) and SVP at Larmag Group of Companies. Mr. Thompson is a Certified Management Accountant since 1998.



Jay Park, KC DIRECTOR

David Thompson > DIRECTOR, AUDIT COMMITTEE CHAIR

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Appendix **Presentation of Oil & Gas Information**

Presentation of Oil & Gas Information

BOEs have been converted on the basis of six thousand cubic feet ("Mcf") natural gas to 1 barrel of oil. BOEs may be misleading, particularly if used in isolation. A BOE conversion ratio of 6 Mcf: 1 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. In addition, given that the value ratio based on the current price of oil as compared with natural gas is significantly different from the energy equivalent of six to one, utilizing a BOE conversion ratio of 6 Mcf: 1 bbl would be misleading as an indication of value

Definitions

In this presentation:

- "2P" are 1P reserves plus probable reserves.
- "3P" are 1P plus 2P plus possible reserves.
- "developed producing reserves" are those reserves that are expected to be recovered from completion intervals open at the time of the estimate. These reserves may be currently producing or, if shut-in, they must have previously been on production, and the date of resumption of production must be known with reasonable certainty.
- "GAAP" means generally accepted accounting principles in the Unites States of America.
- "NPV" means net present value.
- "NPV10" means NPV discounted at 10%.
- "possible reserves" are those additional reserves that are less certain to be recovered than probable reserves. There is a 10% probability that quantities actually recovered will equal or exceed sum of proved plus probable plus possible reserves. Possible reserves may be developed or undeveloped.
- "probable reserves" are those unproved reserves that are less certain to be recovered than proved reserves. It is equally likely that actual remaining quantities recovered will be greater or less than sum of estimated proved plus probable reserves. Probable reserves may be developed or undeveloped.
- "proved developed reserves" or "PDP" are those proved reserves that are expected to be recovered from existing wells and installed facilities or, if facilities have not been installed, that would involve a low expenditure (e.g., when compared to cost of drilling a well) to put reserves on production. Developed category may be subdivided into producing and non-producing.
- "proved reserves" or "IP" are those reserves that can be estimated with a high degree of certainty to be recoverable. It is likely that actual remaining quantities recovered will exceed 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) use of established technology; and (c) specified economic conditions, which are generally accepted as being reasonable. Reserves are classified according to degree of certainty associated with estimates.

- "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 category (proved, probable, possible) to which they are assigned.
- Certain terms used in this presentation but not defined are defined in NI 51–101. CSA Staff Notice 51-324 - Revised Glossary to NI 51-101 Standards of Disclosure for Oil and Gas Activities ("CSA Staff Notice 51-324") and/or the COGEH and, unless the context otherwise requires, shall have the same meanings herein as in NI 51-101, CSA Staff Notice 51-324 and the COGEH, as the case may be.

Reserves Information

Unless otherwise expressly stated, all reserves values, future net revenue, projected capital spending. Management believes that free cash flow is a useful ancillary information and any measure of oil and gas activities contained in this supplemental measure for management and investors to in order to evaluate the presentation is as at January 31, 2023 and has been prepared and calculated in financial sustainability of the Company's business. accordance with Canadian National Instrument 51-101 – Standards of Disclosure Net Debt: Comprised of cash and senior notes (gross). for Oil and Gas Activities ("NI 51-101") and the Canadian Oil and Gas Evaluation Finding and development costs (F&D Costs): F&D costs are calculated as estimated exploration and development capital expenditures, excluding Handbook ("COGEH") and derived from a report with an effective date of January 31, 2023 prepared by GLJ Ltd. ("GLJ"), Trillion's independent qualified reserves acquisitions and dispositions, divided by the applicable reserves additions both evaluator and auditor (the "GLJ Report"). Any reserves estimate or related before and after changes in FDC costs. The calculation of F&D costs incorporates information contained in this presentation as of a date other than January 31, the change in FDC required to bring reserves into production. 2023 has an effective date of January 31 of the applicable year and is derived from a report prepared by Trillion's independent qualified reserves evaluator and These non-GAAP measures do not have a standardized meaning under GAAP. auditor as of such date, and additional information regarding such estimate or Investors are cautioned that these information can be found in Trillion's applicable Statement of Reserves Data and measures should not be construed as an alternative to net income or loss or other Other Oil and Gas Information on Form 51-101F1 filed on SEDAR at www.sedar.com. measures of financial performance

Estimates of reserves provided in this presentation are estimates only and there these measures may differ from other is no guarantee that estimated reserves will be recovered. Actual reserves may companies and, accordingly, it may not be comparable to similar measures used by other companies. These non-GAAP financial measures are presented along be greater than or less than estimates provided in this presentation and differences may be material. with the corresponding GAAP measure so as to not imply that more emphasis should be placed on the non-GAAP measure.



Oil & Gas Non-GAAP Terms.

Operating netback: Oil and gas sales less operating and transportation expenses. Operating netback per boe as presented is defined as oil and gas sales price less forecasts of transportation and quality discount, royalties, operating costs and pipeline transportation from the Brent oil price forecast.

Funds flow from operations: is defined as net income or loss adjusted for DD&A expenses, asset impairment, goodwill impairment, deferred tax expense or recovery, stock-based compensation expense, amortization of debt issuance costs, non-cash lease expense, lease payments, unrealized foreign exchange gains or losses, financial instruments gains or losses, other non-cash losses, cash settlement of financial instruments and other gains or losses.

EBITDA and Adjusted EBITDA: Net income adjusted for DD&A expenses, interest expense and income tax expense or recovery ("EBITDA") and adjusted EBITDA, as presented, is defined as EBITDA adjusted for non-cash lease expense, lease payments, unrealized foreign exchange gain or loss, stock-based compensation expense or recovery, unrealized derivative instruments gain or loss, gain on repurchase of Senior Notes, other financial instruments gain or loss and other loss.

Free cash flow (FCF): GAAP "net cash provided by operating activities" less

as determined in accordance with GAAP. Gran Tierra's method of calculating