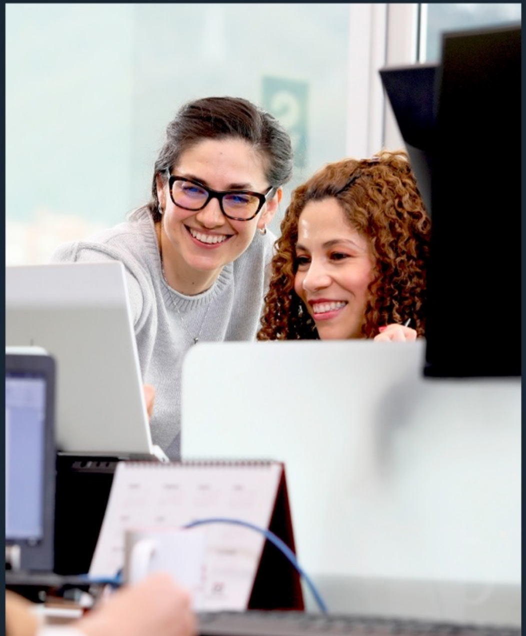
GEOPARK

SPEED

CORPORATE PRESENTATION

June 2024



GeoPark

DISCLAIMER

CAUTIONARY STATEMENTS RELEVANT TO FORWARD-LOOKING INFORMATION

The information contained herein has been prepared by GeoPark solely for informational purposes. No representation or warranty, either expressed or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein and nothing shall be relied upon as a promise or representation as to performance of any investment or otherwise. The information in this presentation is current only as of the date on its cover. For any time after the cover date of this presentation, the information - including information concerning our business, financial condition, results of operations and prospects - may have changed.

This presentation includes forward-looking statements. Forward-looking statements can be identified by the use of forward-looking words such as “anticipate”, “believe”, “could”, “expect”, “should”, “plan”, “intend”, “will”, “estimate” and “potential,” among others. Forward-looking statements that appear in a number of places in this presentation include, but are not limited to, statements regarding our intent, belief or current expectations, regarding various matters, including, the drilling campaign, share buyback program, future capital expenditure, production growth, Adjusted EBITDA and free cash flow. Forward-looking statements are based on our management’s beliefs and assumptions and on information currently available to our management. Such statements are subject to risks and uncertainties, and actual results may differ materially from those expressed or implied in the forward-looking statements due to various factors. Forward-looking statements speak only as of the date they are made, and GeoPark does not undertake any obligation to update them in light of new information or future developments or to release publicly any revisions to these statements in order to reflect later events or circumstances or to reflect the occurrence of unanticipated events.

This presentation includes forward-looking non-GAAP measures. The Company is unable to present a quantitative reconciliation of the 2024 Adjusted EBITDA because the Company cannot reliably predict certain of the necessary components, such as write-off of unsuccessful exploration efforts or impairment loss on non-financial assets, etc. Since free cash flow is calculated based on Adjusted EBITDA, for similar reasons, the Company does not provide a quantitative reconciliation of the 2024 free cash flow forecast.

Statements related to resources are deemed forward-looking statements as they involve, based on certain estimates and assumptions, the implied assessment that the resources will be discovered and can be profitably produced in the future.

Specifically, forward-looking information contained herein regarding resources may include: estimated volumes and value of the Company’s oil and gas resources and the ability to finance future development, as well as the conversion of a portion of resources into reserves

The information included in this presentation regarding GeoPark’s estimated quantities of proved, probable and possible reserves in Colombia, Brazil and Ecuador as of December 31, 2023; is derived, in part, from the reports prepared by DeGolyer and MacNaughton (“D&M”), independent reserves engineers. Certified reserves refer to net reserves independently evaluated by D&M. The reserves estimates in the reports prepared by D&M were prepared in accordance with the Petroleum Resource Management System Methodology (the “PRMS”) approved in 2007 and revised in 2018 by the Society of Petroleum Engineers, the World Petroleum Council, the American Association of Petroleum Geologists, the Society of Petroleum Evaluation Engineers, the Society of Exploration Geophysicists, the Society of Petrophysicists and Well Log Analysts, and the European Association of Geoscientists & Engineers. PRMS proved reserves (1P) are estimated quantities of oil, condensate and natural gas from which there is geological and engineering data that demonstrate with reasonable certainty that they are recoverable in future years from known reservoirs under existing economic and operating conditions. PRMS probable reserves (2P) are those additional reserves which analysis of geoscience and engineering data indicate are less likely to be recovered than proved reserves but more certain to be recovered than possible reserves. PRMS possible reserves (3P) are those additional reserves that analysis of geoscience and engineering data indicates are less likely to be recoverable than probable reserves.

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 postdate 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.

Reserves estimates prepared in accordance with SEC rules and regulations may differ significantly from reserves estimates prepared in accordance with PRMS guidelines.

ABOUT US

ENDURING PRINCIPLES AND APPROACH

Energy → Oil & Gas → Latin America → SPEED

GeoPark Approach

Right Team
Proven Team and Unique Culture

Leading Oil and Gas Finders
Drilling Success Rate*** 81%

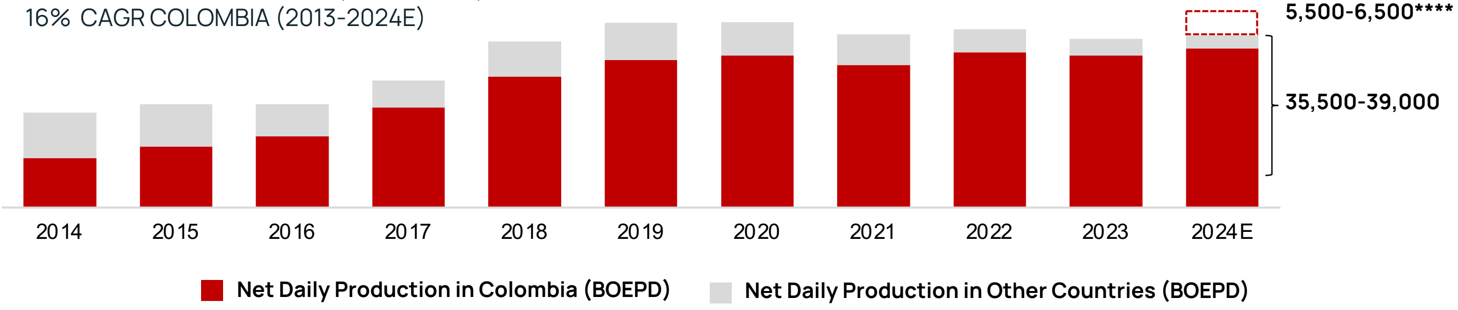
21 Year Track Record
From Zero to 35,500-39,000* BOEPD
Discovered 444 MMBOE of 2P Reserves
Value Created** $1.8 BN 2P NPV10

SPEED = ESG+
Net Zero Commitment (Scopes 1 & 2)
The lowest carbon intensity among E&P LatAm peers (10.6 kg CO2e/bbl)
Majority Independent Directors

Low-Cost Operator
~90% of Production is Cash Flow Positive at $25-30 Brent

Giving Back to Shareholders
$277 MM Returned through dividends and buybacks representing more than 55% of current market cap

10% CAGR CONSOLIDATED (2013-2024E)
16% CAGR COLOMBIA (2013-2024E)



* 2024 consolidated production guidance was adjusted from the previous 37,000-40,000 boepd to reflect the divestment of assets in Chile.
** As of December 31, 2023.
*** GeoPark operated wells 2006 – 2023.
**** Expected production from Vaca Muerta acquisition, subject to when the closing date of the transaction occurs.

GEOPARK

MEDIUM-TERM VISION

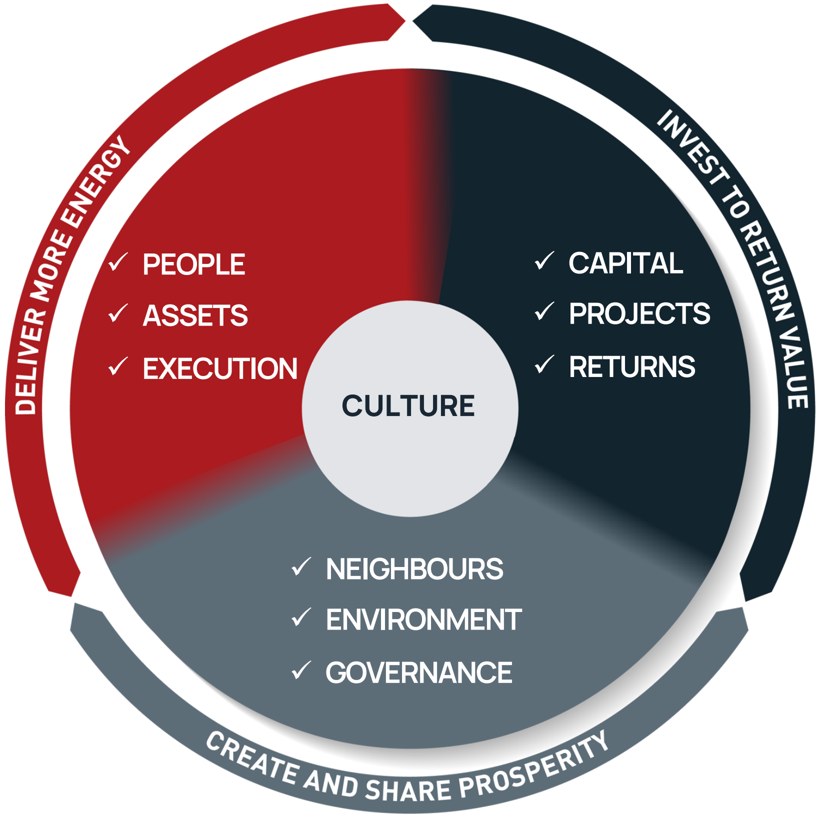
Production
100,000 BOEPD

2P Reserves
400 MMBOE

Assets Portfolio
Deep and Diversified

People
Attract, Develop and Build the Best Talent

Execution
Efficient & Low Cost
Best Science & Technology



Cash Flow Generation
Maintain Cash Generation 2-4X CAPEX

Capital Allocation
Allocate Capital to Highest Value Projects

Risk Management
Take and Manage Risk

Capital Access and Discipline
Net debt 1.0-1.5x EBITDA

Safety
#1 Priority
Zero LTIR

GHG

Carbon Intensity
50% Reduction

Environment
Zero Oil Spills

Ethics and Governance
Highest Standards

Communities / Human Rights
Collaboration, Alignment and Respect

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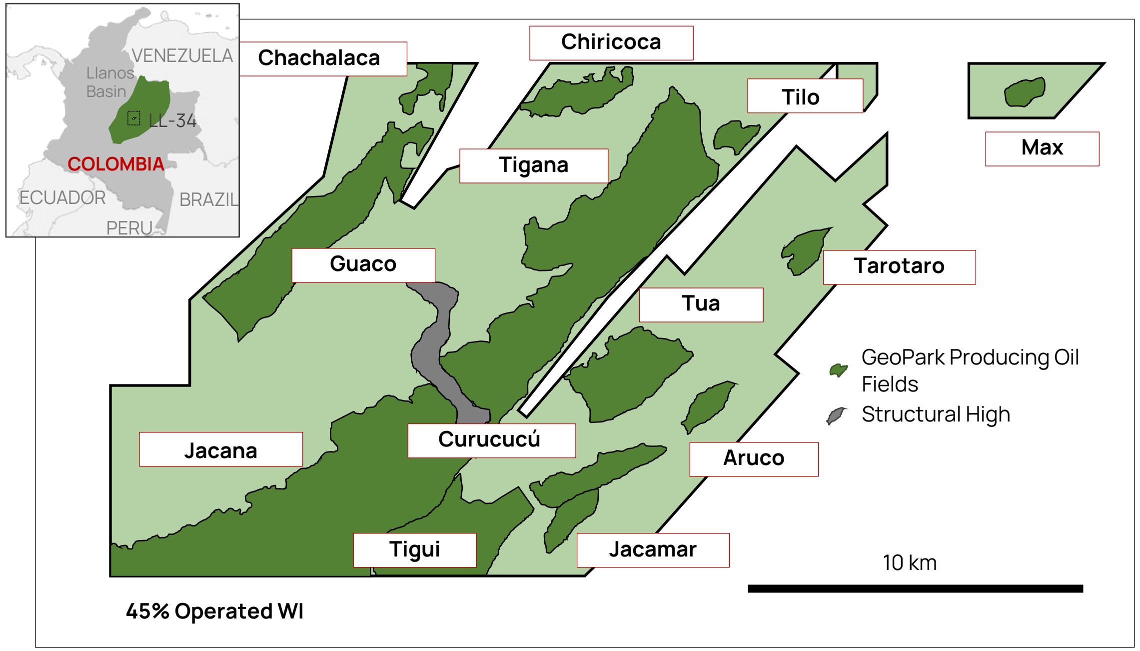
RIGHT NEIGHBORHOODS

LLANOS 34 - A WORLD-CLASS ASSET

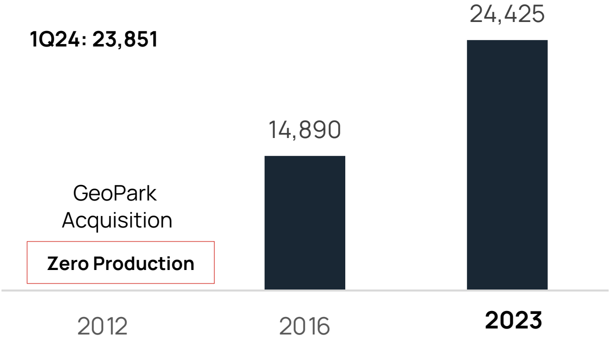


KEY METRICS

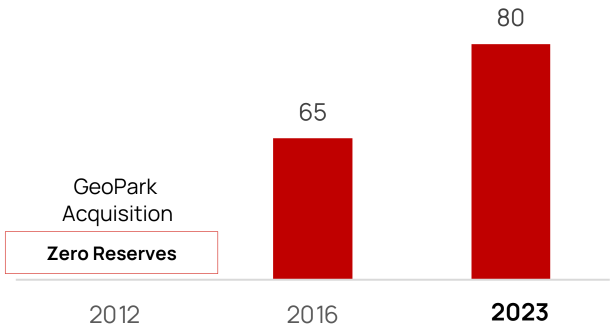
53,001	94%	7.0 $kgCO_2e/BOE$	9.0 Years*
Gross BOPD (1Q2024)	Production efficiency (1Q2024)	Low emissions (2023)	2P Reserve Life Index (2023)

NET PRODUCTION AND RESERVES GROWTH

Net Production (BOEPD)



Net 2P Reserves* (MMBOE)



OVERVIEW

- Block acquired in 2012 with no reserves or production
- 13 oil fields discovered
- 235+ gross wells drilled
- 185+ gross MMBBL produced
- Tigana & Jacana are among Colombia's top 10 producing oil fields

2024 CAMPAIGN

- Drilling 18-20 gross development and injector wells, including 5-7 wells to continue the horizontal drilling campaign
- Drilling 1 exploration well

** 2023 D&M certified 2P Reserves.*

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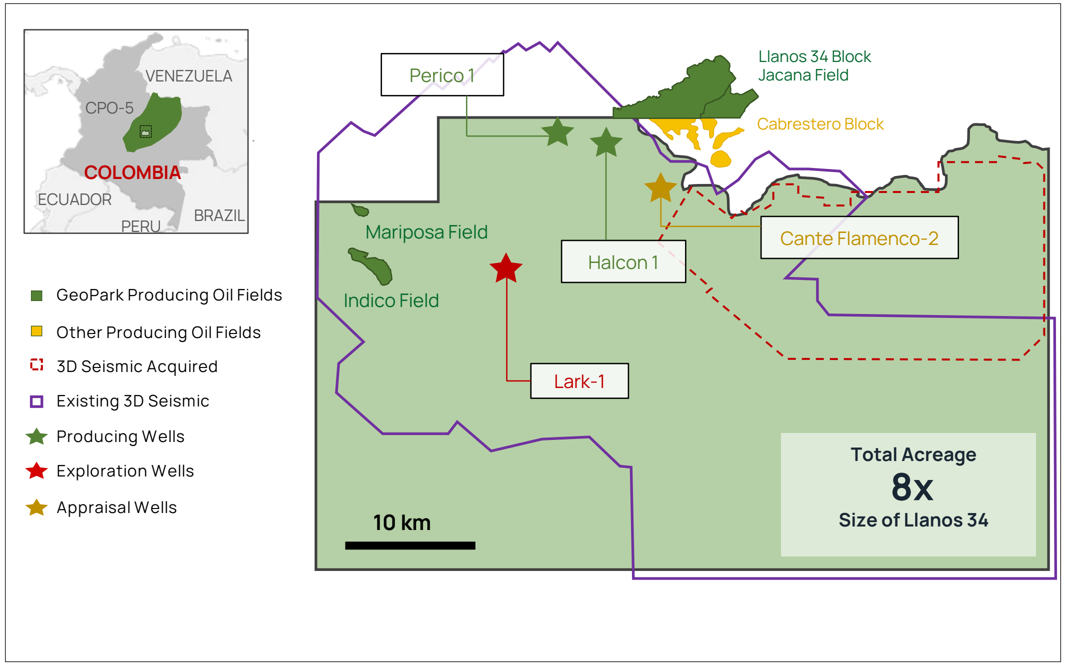
CPO-5 - UNLOCKING THE UPSIDE

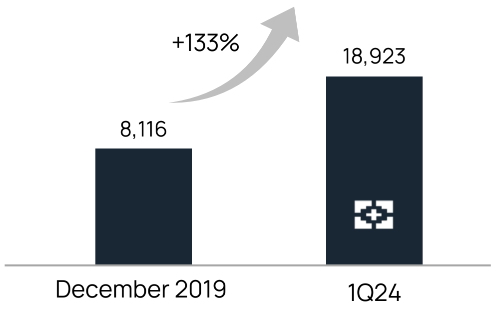


KEY METRICS

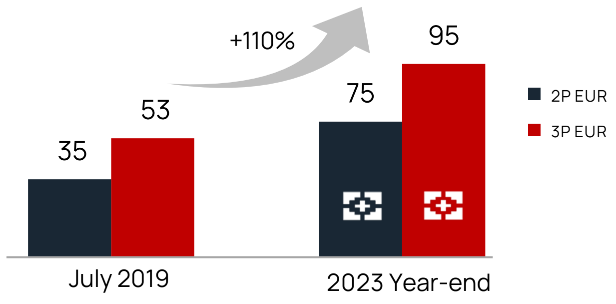
30,000	10	2.3x	6.6 Years
Gross BOPD (April High*)	Producing wells	Production increase since acquisition	2P Reserve Life Index** (2023)

PRODUCTION & RESERVE GROWTH SINCE ACQUISITION

Gross Production (BOPD)



Gross EUR (MMBOE)***



OVERVIEW

- Acquired in 2020
- Adjacent to core Llanos 34 Block
- Indico ranks among top 10 producing oil fields in Colombia

2024 CAMPAIGN

- Drilling 3-4 development and appraisal wells
- Drilling 1-2 exploration wells
- Acquired and interpreting over 230 sq km of 3D seismic

** Highest figure reached in April, which will stabilize at around 27,000 – 28,000 BOEPD.*
*** 2023 D&M certified 2P Reserves.*
**** EUR (estimated ultimate recovery) = Reserves plus cumulative production (2023 Year-end 2P and 3P Reserves were certified by D&M).*

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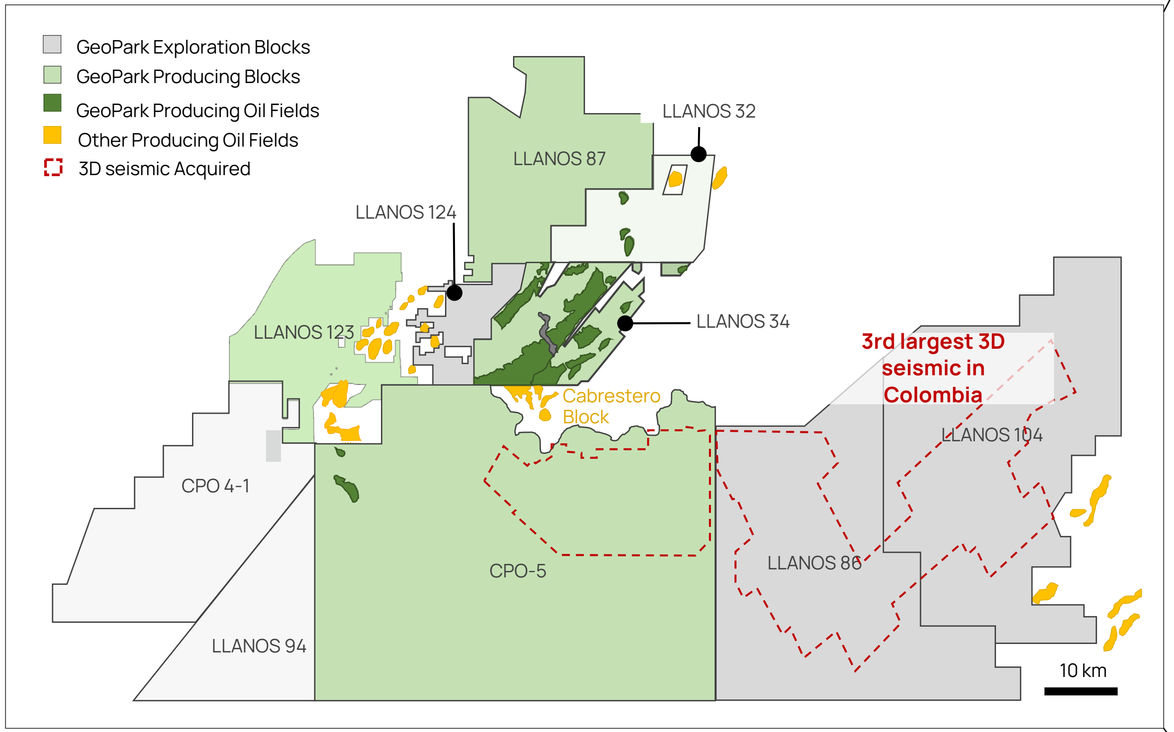
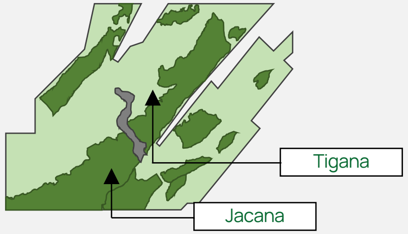
RIGHT NEIGHBORHOODS

LLANOS BASIN CHAMPION

HIGH GROWTH POTENTIAL IN WELL-KNOWN BASIN



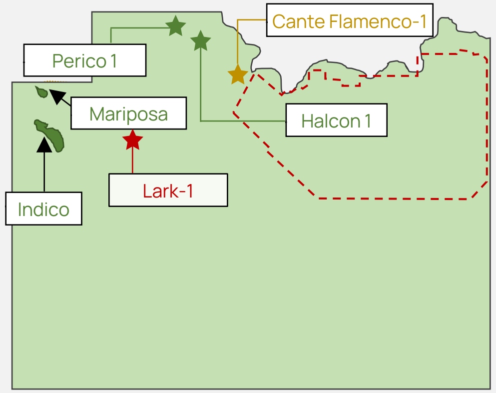
2024 CAMPAIGN



LLANOS 34

1 Exploration Well

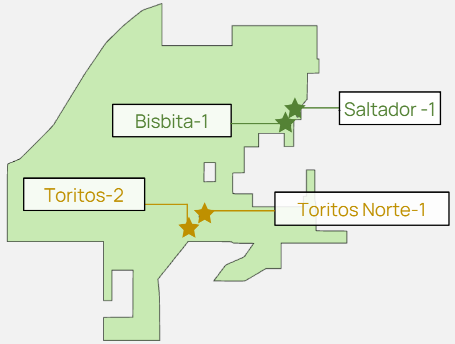
18-20 Development and Injector Wells



CPO-5

1-2 Exploration Wells

3-4 Development and Appraisal Wells



LLANOS 123

1 Exploration Well

3-9 Appraisal Wells

Producing Wells
Exploration Wells
Appraisal Wells
3D seismic Acquired

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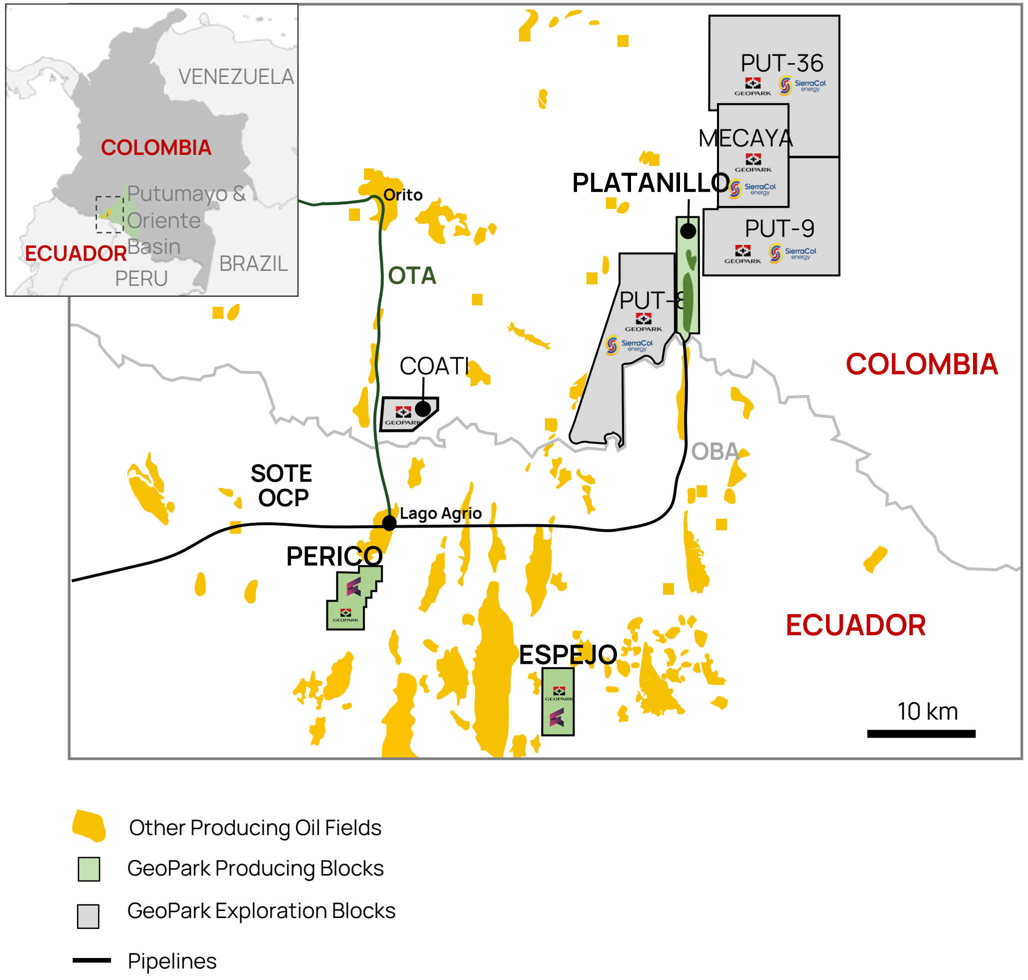
PUTUMAYO & ORIENTE - UNDEREXPLORED PROVEN BASIN



KEY HIGHLIGHTS PUTUMAYO

1,647
Gross BOPD (1Q2024)

93%
Production Efficiency (1Q2024)

$4.7/BBL
Transport Cost (1Q2024)

2024 CAMPAIGN

- Drilling 1-2 gross exploration wells in the PUT-8 Block, adjacent to the Platanillo Block

KEY HIGHLIGHTS ORIENTE

2,966
Gross BOPD (1Q2024)

89%
Production Efficiency (1Q2024)

Developing a complete structural and stratigraphic geological model for the U-sand reservoir

2024 CAMPAIGN

- Drilling 3-7 appraisal wells
- Drilling 2-3 exploration wells
- Focused on continuing delineation of the U-sand reservoir

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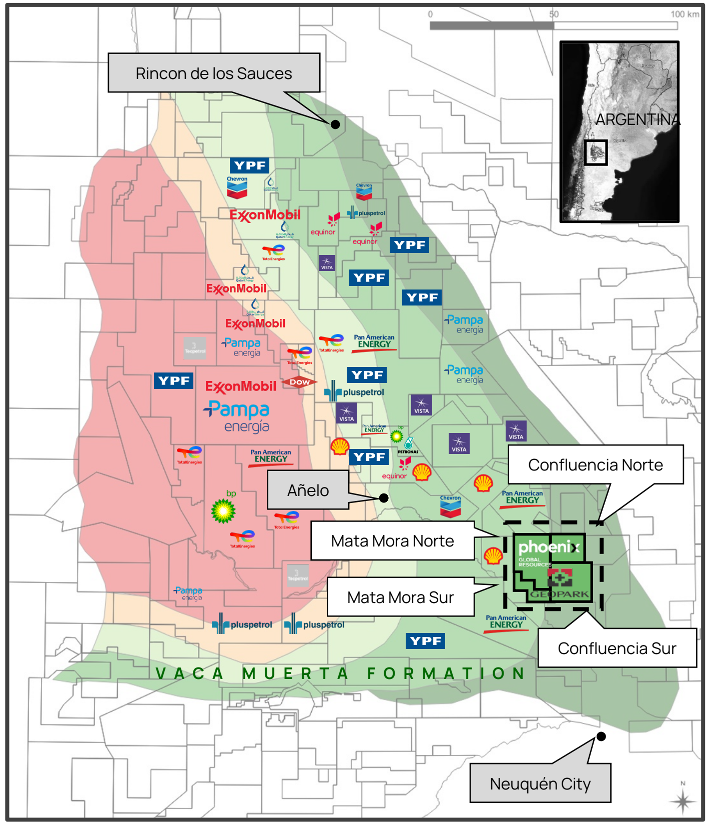
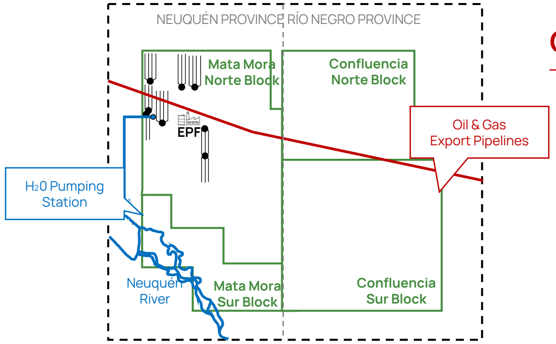
NEW POSITION IN VACA MUERTA - ARGENTINA





MATA MORA NORTE

- 43,243 acres
- Gross Production: 11,207 BOEPD*
- Gross 2P Reserves: 110 MMBOE
- Exploitation License to 2056 (35-year period)

MATA MORA SUR

- 11,861 acres
- Gross Certified 3C Contingent Resources: 51 MMBOE
- Permit Expiration Date: 2026

CONFLUENCIA NORTE

- 25,698 acres
- Gross Certified 3C Contingent Resources: 78 MMBOE
- Permit Expiration Date: 2026

CONFLUENCIA SUR

- 41,513 acres
- Gross Certified 3C Contingent Resources: 112 MMBOE
- Permit Expiration Date: 2026

2024		2028
5,500-6,500 BOEPD	NET PRODUCTION: 3x	**19,000-20,000 BOEPD**
49.5 MMBOE	NET 2P RESERVES: 1-2x	**49.5 MMBOE + ~50 MMBOE** (from exploration)
$90-100 MM	NET ADJ. EBITDA**: 3x	**$290-400 MM*** **

The Vaca Muerta formation is the best onshore hydrocarbon play in Latin America:

- **16 billion** barrels
- **+300 Tcf** unconventional gas resources
- **Less than 10%** developed

phoenix GLOBAL RESOURCES

MERCURIA

Right partner: Focus on unconventional oil and delivery of consistent results, growing from 0 to 12,500 BOPD in less than 3 years

** Production as of May 13, 2024.*
*** Using an average Brent price of $80 / BBL.*
**** Using an average Brent price of $70-$80 / BBL.*

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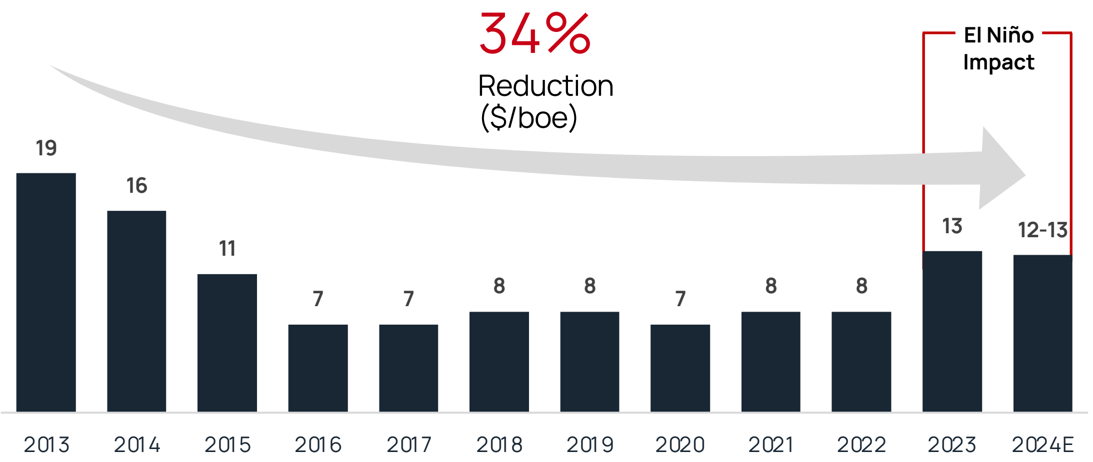
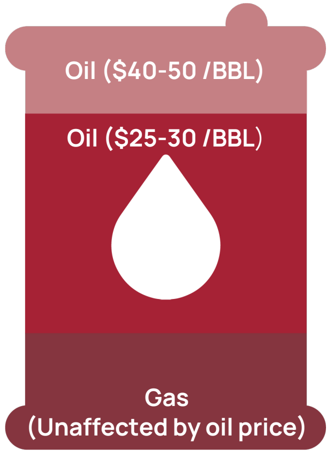
SOLID AND PROFITABLE

LOW-COST & EFFICIENT OPERATOR

OPERATING COSTS



LOW BREAKEVENS



~90%
of production is cash flow positive at $25-30 /BBL Brent

ON THE GROUND OPERATIONAL EXPERIENCE

120+ MM
Net BOE Produced (2006-2023)

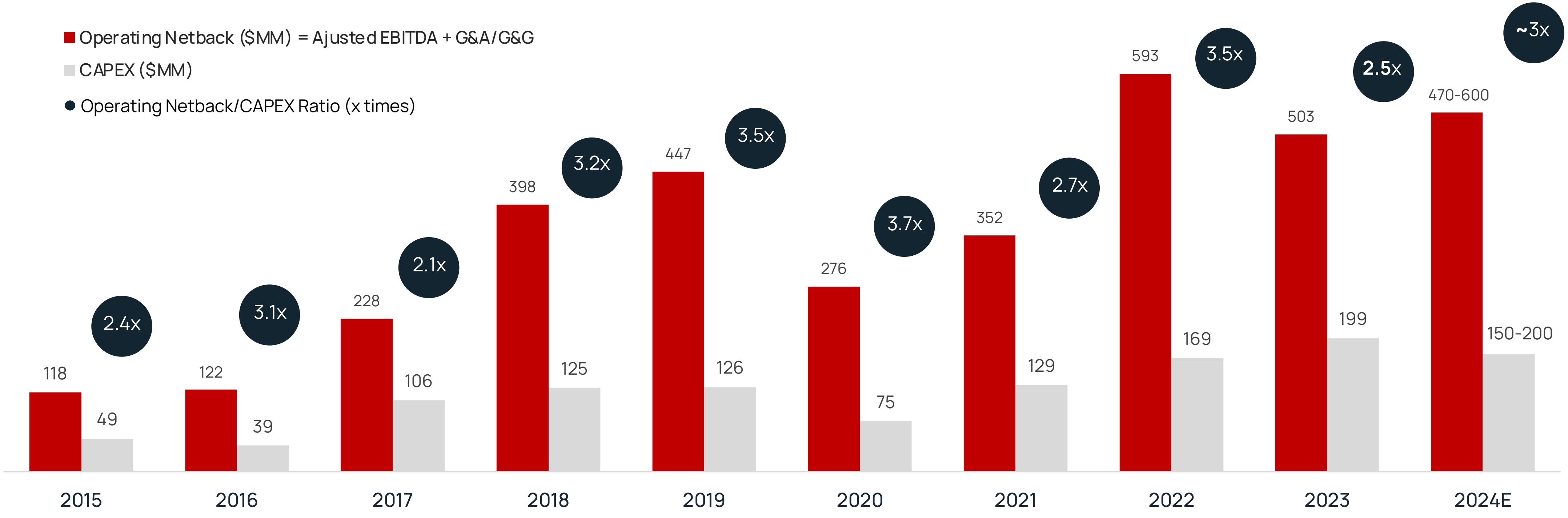
300+
Gross Wells Drilled (2013-2023)

10 Rigs
6 drilling + 4 workover (May 2024)

470 / 3,000+
Direct / Indirect Personnel (2023)

COST & CAPITAL EFFICIENCY LEADS TO SUPERIOR RESULTS

CASH GENERATION 2-4x CAPEX IN EVERY OIL PRICE ENVIRONMENT



Brent ($/BBL)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024E
	54	45	55	72	64	45	71	99	82	80-90**

LAST TWELVE-MONTH RETURN ON CAPITAL EMPLOYED (ROACE) OF 35%***

** Expected figures from Vaca Muerta acquisition, subject to when the closing date of the transaction occurs.*
*** Base Case assumption for 2024.*
**** Return on average capital employed is defined as last twelve-month operating profit divided by average total assets minus current liabilities. To December 2023.*

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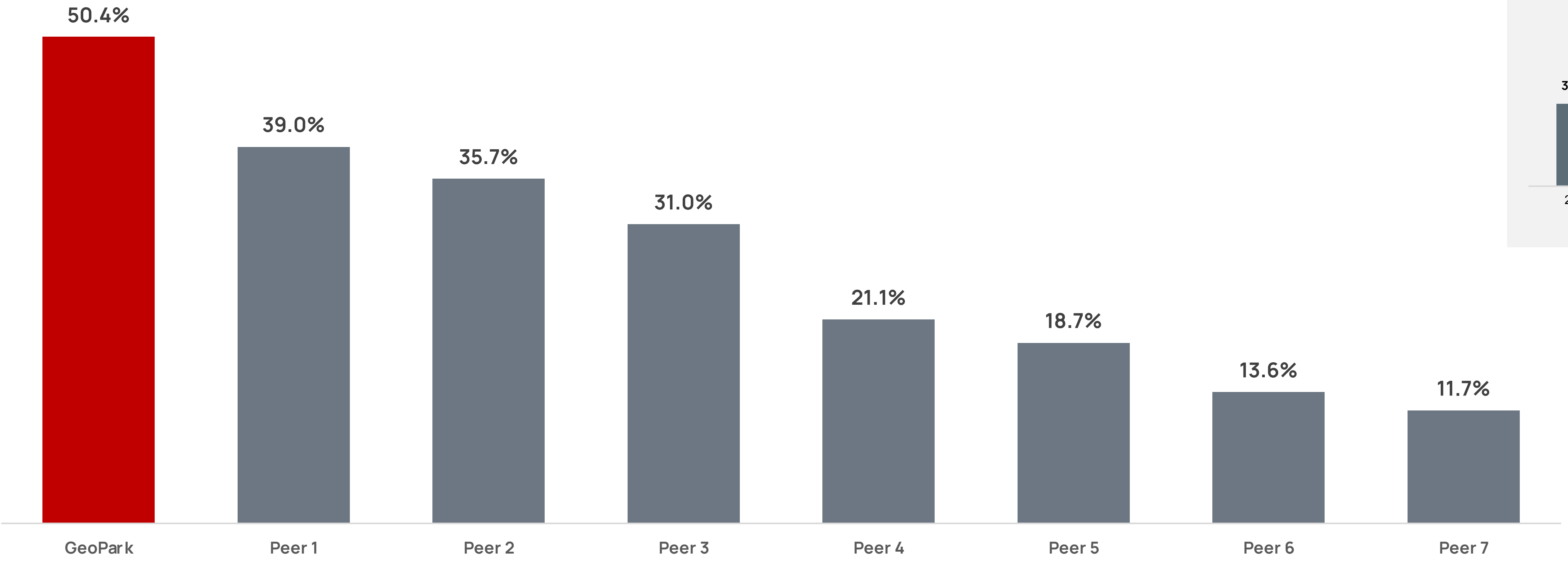
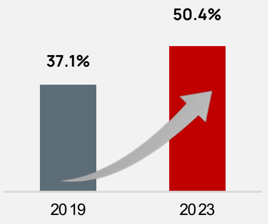
DIFFERENTIATED RETURNS - IMPROVING RETURNS ON CAPITAL EMPLOYED

ROACE - LATAM JUNIOR E&Ps - LAST TWELVE MONTHS



2019 VS 2023 ROACE



Source: BTG Pactual Report: The Art of Capital Allocation (March 5, 2024).

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2024 WORK PROGRAM - DISCIPLINED CAPITAL ALLOCATION

2024 WORK PROGRAM HIGHLIGHTS

35,500-39,000*
BOEPD Production

+5,500-6,500**
BOEPD Production

35-45
Gross Wells

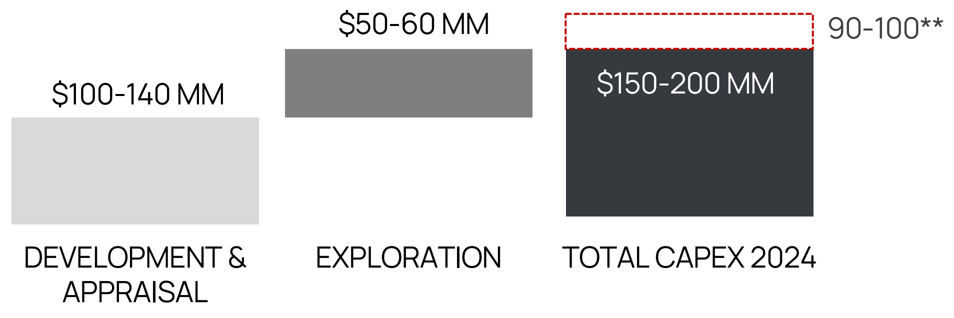
8-10***
Gross Wells

~70-80%
Allocated to Development and Appraisal Drilling

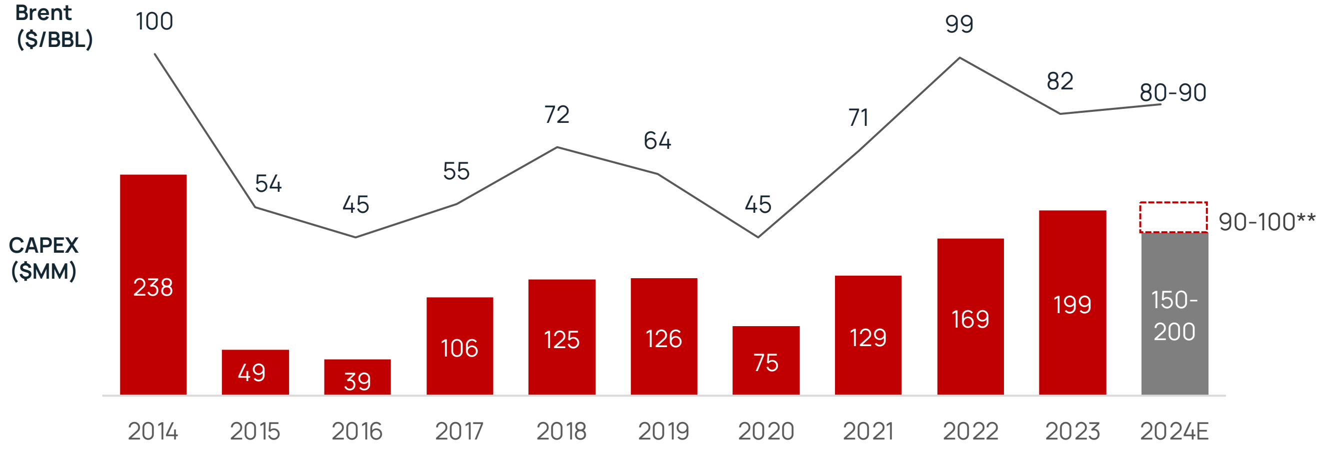
5-10
Gross Exploration Wells

1-3*** Gross Exploration Wells

2024 CAPEX BREAKDOWN ($80-90/BBL BRENT)



PROVEN FLEXIBILITY – ACCOMMODATES OIL PRICE VOLATILITY



2024 WORK PROGRAM FLEXIBILITY

Below $70 /BBL Brent	$80-90 /BBL Brent	Above $90 /BBL Brent
$100-150 MM	$150-200 MM	$200-250 MM
	BASE CASE	
$190-250**** MM	$240-300**** MM	$290-350**** MM

** Assuming no production from the 2024 exploration drilling program. 2024 consolidated production guidance was adjusted from the previous 37,000-40,000 boepd to reflect the divestment of assets in Chile.*
*** Expected figures from Vaca Muerta acquisition, subject to when the closing date of the transaction occurs.*
**** Gross Wells for Mata Mora Norte and Gross Exploration Wells for Confluencia Norte.*
***** Includes expected figures ($90-100 MM) from Vaca Muerta acquisition, subject to when the closing date of the transaction occurs.*

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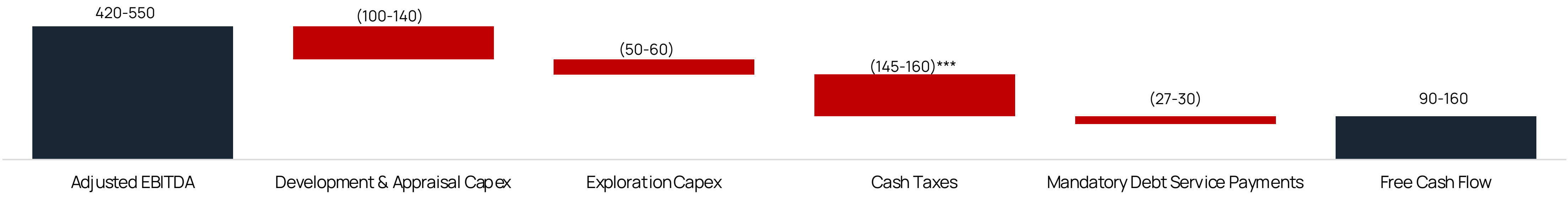
2024 FREE CASH FLOW & RETURNS

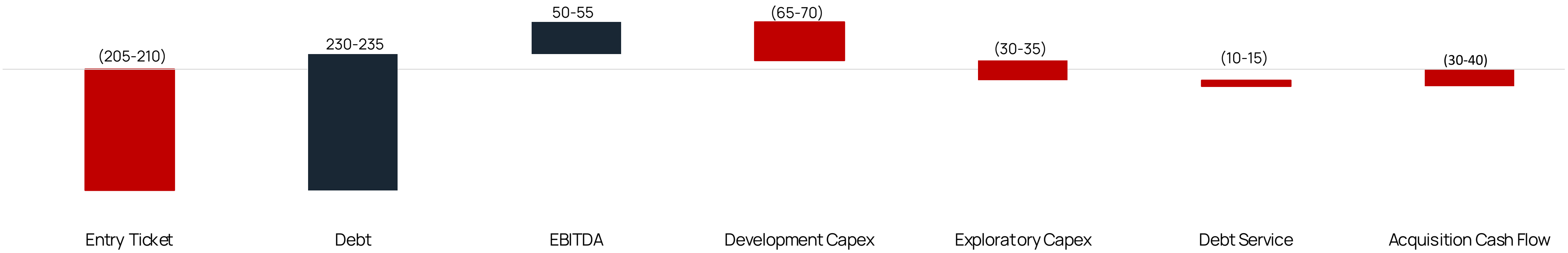
STRONG FREE CASH FLOW* GENERATION FROM THE BASE BUSINESS

2024E Free Cash Flow** ($MM) at $80-90 per BBL (Brent)



ESTIMATED CASH GENERATION FROM ARGENTINA****

2024E Free Cash Flow** ($MM) at $80-90 per BBL (Brent)



*The Company is unable to present a quantitative reconciliation of the 2024 Adjusted EBITDA because the Company cannot reliably predict certain of the necessary components, such as write-off of unsuccessful exploration efforts or impairment loss on non-financial assets, etc. Since free cash flow is calculated based on Adjusted EBITDA, for similar reasons, the Company does not provide a quantitative reconciliation of the 2024 free cash flow forecast.
** 2024 Brent Oil price assumption with -$4-5 Vasconia differential. Free cash flow excludes changes in working capital.
*** Cash taxes include current taxes plus withholding and self-withholding taxes. 2024E cash taxes are subject to change depending on the actual 2023 current tax provision that will be paid in 2024.
**** Assuming the transaction closes in July 2024.

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STRONG BALANCE SHEET WITH SAFETY NETS IN PLACE

ASSETS AND SAFETY NETS

$151 MM
Cash & Cash Equivalents (March 31, 2024)

Hedges in Place Securing Base Oil Price

$1.8 BN*
2P Net Present Value

Proven Team and Track Record

9.1 YEARS*
2P Reserves Life Index

$580 MM**
Access to Competitive and Flexible Financing

LIABILITIES

WELL-STRUCTURED, LOW-COST & LONG-MATURING DEBT PROFILE

$275 MM debt reduction since April 2021

$500 MM
BOND MATURING IN 2027

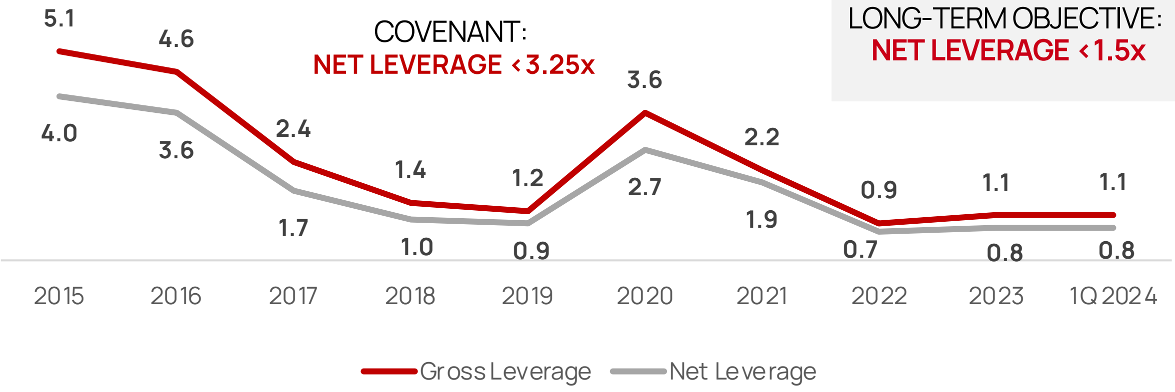
5.5%
COUPON

GROSS & NET LEVERAGE

GROSS AND NET DEBT/ADJUSTED EBITDA (X)

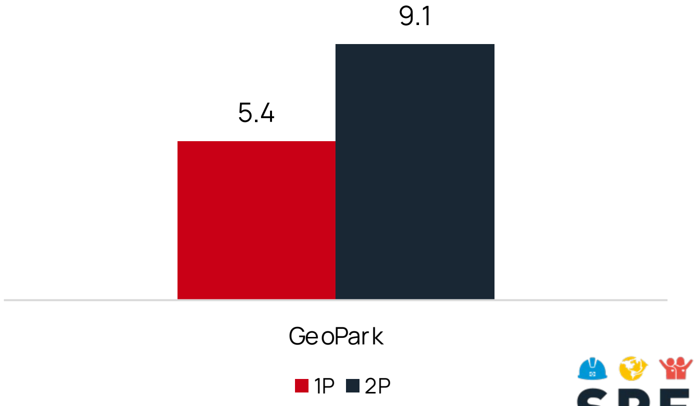
COVENANT:
NET LEVERAGE ‹ 3.25x

LONG-TERM OBJECTIVE:
NET LEVERAGE ‹ 1.5x



RESERVE LIFE EXCEEDS DEBT MATURITY

RESERVE LIFE INDEX (YEARS) – D&M 2023



** 2023 D&M certified 2P Reserves.*
*** No amounts drawn.*

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HEDGING PROGRAM SECURES BASE OIL PRICE

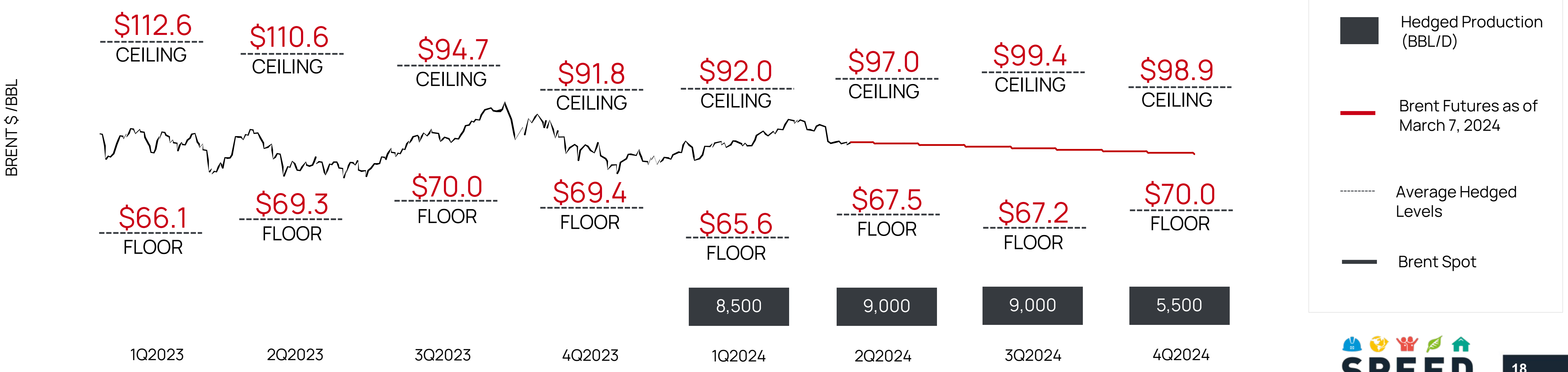
APPROACH

12-15 MONTHS
Tenor

30-50% PRODUCTION
Hedge Target

33% AVERAGE HEDGING RATIO (2024)
On track with target

HEDGE BOOK OVERVIEW



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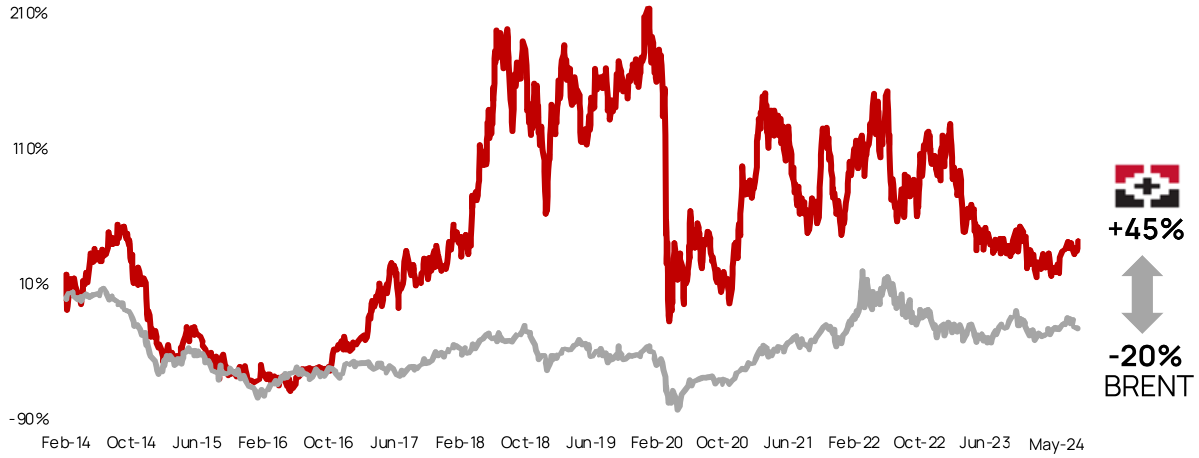
RETURNING VALUE TO SHAREHOLDERS

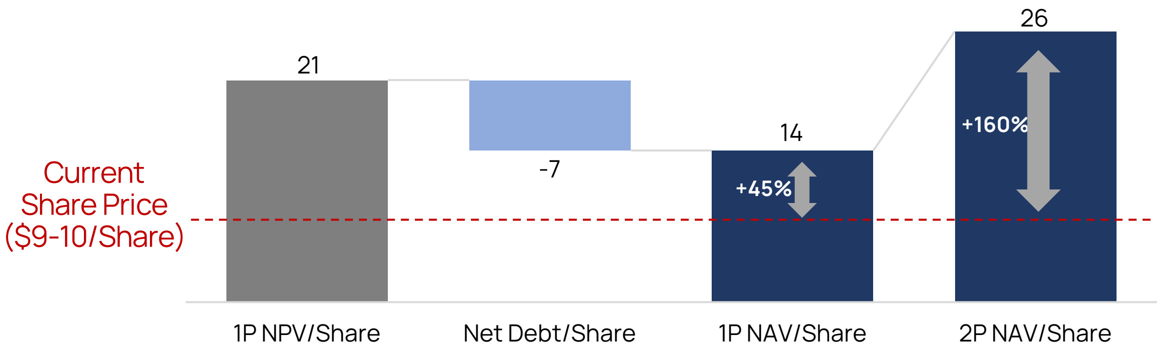
10 YEARS OUTPERFORMING BRENT



RETURNED MORE THAN 55% OF MARKET CAP SINCE 2019

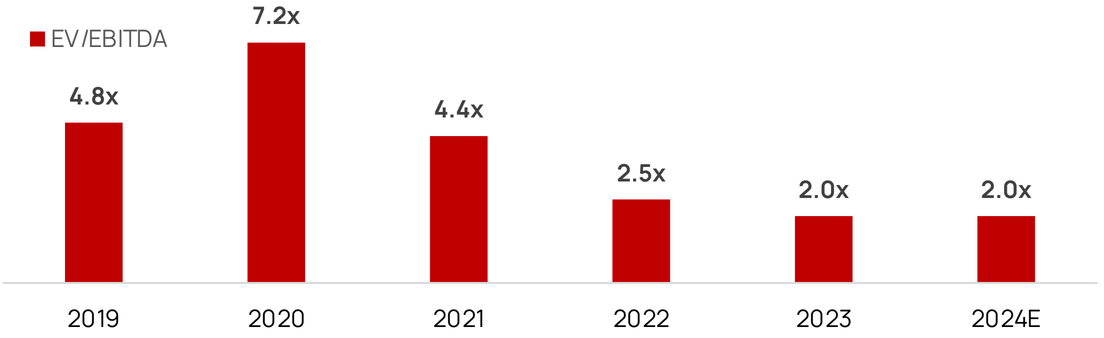
Quarterly Cash Dividend	**$77 MM** Total Distributed 2019 – YTD2024	**$7.5 MM** $30 MM Annually	**6.00%** Dividend Yield*
Share Buyback Program	**$200 MM** ~30% of Shares Outstanding 2019 – YTD2024	**$43.7 MM** 4.3 MM Shares YTD2024	**Up to $50 MM** 2024E

ATTRACTIVE NAV/SHARE VALUATION



Source: 2023 D&M Report & December 2023 Financial Statements.

TRADING BELOW HISTORICAL MULTIPLES



Source: Bloomberg.

** Dividends divided by market capitalization from January 1, 2024 to May 1, 2024.*

SPEED

SPEED (ESG+)
SINCE DAY ONE

ENVIRONMENT & SOCIAL - EMPLOYER AND NEIGHBOR OF CHOICE

GHG EMISSIONS INTENSITY REDUCTION TARGETS

SCOPES 1 & 2 (GEOPARK OPERATED) BASELINE: 2020

Short Term	Medium Term	Long Term
35-40% Emissions intensity reduction by **2025 or sooner**	40-60% Emissions intensity reduction by **2025-2030**	Net Zero Emissions by **2050**

2023 Emissions intensity: 10.6 kg CO_2e/boe in 2023
- 18% vs 2022 and - 26% vs the baseline

OUR EMPLOYEES

100% Own shares in the Company
Have access to wellness benefits

33% of the Executive Team are women

ESG Leader Recognized by MSCI with the upgrade to 'AA' from the initial 'B' rating in 2018

Bloomberg Gender-Equality Index 2023 Member

equipares SELLO DE EQUIDAD LABORAL

Great Place To Work. Certificada SEP 2023-SEP 2024 COL

Great Place To Work. Certified SEP 2023-SEP 2024 ARG

Great Place To Work. Certified SEP 2023-SEP 2024 CHILE

OUR NEIGHBORS

3,700+ job opportunities in Colombia in 2023

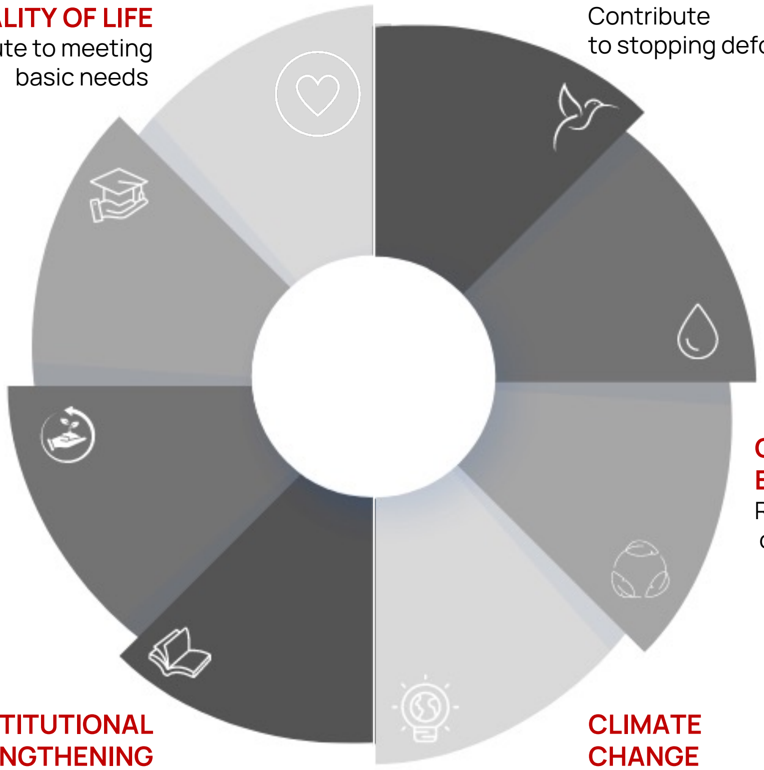
$1.5 BN royalties & taxes paid since 2012

WELLBEING & QUALITY OF LIFE
Contribute to meeting basic needs

BIODIVERSITY
Contribute to stopping deforestation

EDUCATION, CULTURE & SPORT
Create opportunities to promote territorial transformation

INTEGRAL WATER MANAGEMENT
Protect water resources



PRODUCTIVE & ECONOMIC DEVELOPMENT
Boost the local economy and employment

CIRCULAR ECONOMY
Reduce our corporate carbon footprint

INSTITUTIONAL STRENGTHENING
Promote institutional capabilities and social and community leadership

CLIMATE CHANGE
Contribute to clean energy solutions

GOVERNANCE – DIVERSE AND EXPERIENCED BOARD

MAJORITY INDEPENDENT Board of Directors

10 YEARS GPRK LISTED NYSE

GEOPARK

INDEPENDENT BOARD MEMBERS

Audit
Nomination & Corporate Governance
SPEED

SYLVIA ESCOVAR
Chair of the Board
Former CEO of Terpel

Audit
Nomination & Corporate Governance
Compensation

ROBERT A. BEDINGFIELD
Former Lead Partner at EY

Compensation
Technical
Strategy & Risk

BRIAN F. MAXTED
Co-founder and Former CEO & CXO of Kosmos Energy

Compensation
Technical
Nomination & Corporate Governance
Strategy & Risk

SOMIT VARMA
Former Global Head of Oil, Gas, Mining and Chemicals at the International Finance Corporation (IFC) and MD at Warburg Pincus

Audit
Compensation
Strategy & Risk

CONSTANTIN PAPADIMITRIOU
CEO of General Oriental Investments S.A.

Technical
Strategy & Risk

CARLOS E. MACELLARI
Former Director of Geology at Repsol and Former Director of Exploration and Development at Tecpetrol

EXECUTIVE BOARD MEMBERS

SPEED
Technical
Strategy & Risk

JAMES F. PARK
Co-founder and Former CEO of GeoPark

SPEED
Strategy & Risk

ANDRÉS OCAMPO
CEO and Former CFO of GeoPark

SPEED

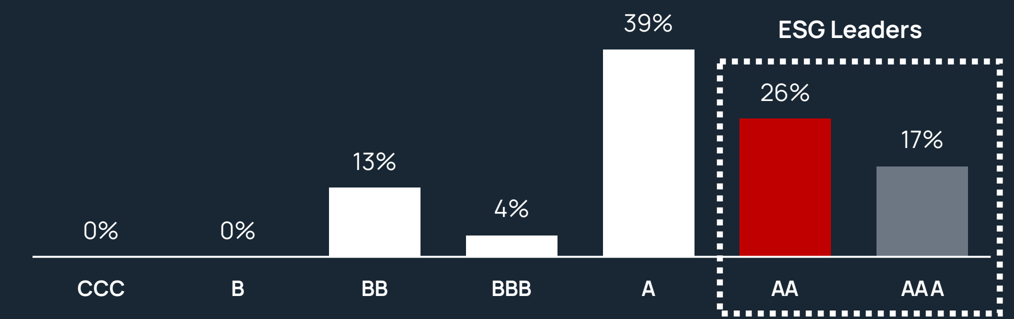
MARCELA VACA
Former General Director of GeoPark Colombia

GEOPARK NAMED 'ESG LEADER'

GEOPARK

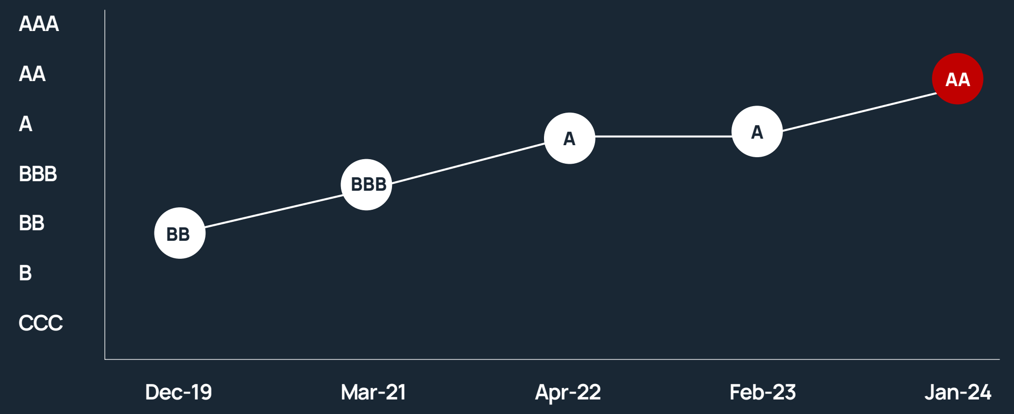
MSCI: RATINGS EVOLUTION

ESG RATING DISTRIBUTION



Universe: MSCI ACWI Index constituents, Oil & Gas Exploration & Production, n=23.

ESG RATING HISTORY



ESG Rating history shows five most recent rating actions.

CARBON DISCLOSURE PROJECT:

Beginning the Journey

Climate Change 2022: Score	C
Climate Change 2023: Score	B
Water Security 2023: Score	C

United Nations Global Compact

Signatory to the UN Global Compact 10, and its 10 universal principles related to Human Rights, labor, environment, anti-corruption, and the implementation of the Sustainable Development Goals (SDGs)

BLOOMBERG GENDER-EQUALITY INDEX

Included in the Bloomberg GEI since 2021

Bloomberg Gender-Equality Index 2023 Member

DOW JONES SUSTAINABILITY INDEXES

Participated for the second year in the DJSI Corporate Sustainability Assessment (CSA)

Dow Jones Sustainability Indexes

SPEED

WE MAKE ASSETS BETTER

SPEED

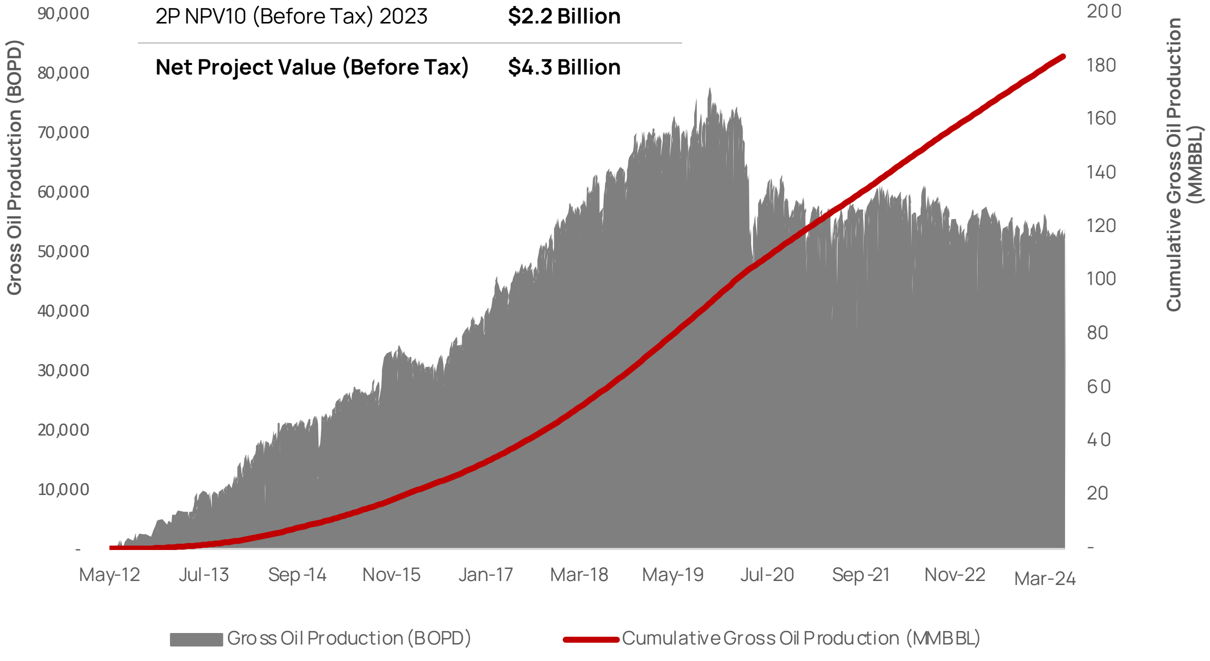
GEOPARK

CREATING VALUE THROUGH ACQUISITIONS

LLA34: GROSS OIL PRODUCTION PROFILE SINCE ACQUISITION

FROM ZERO PRODUCTION TO 70,000 BOPD IN 10 YEARS

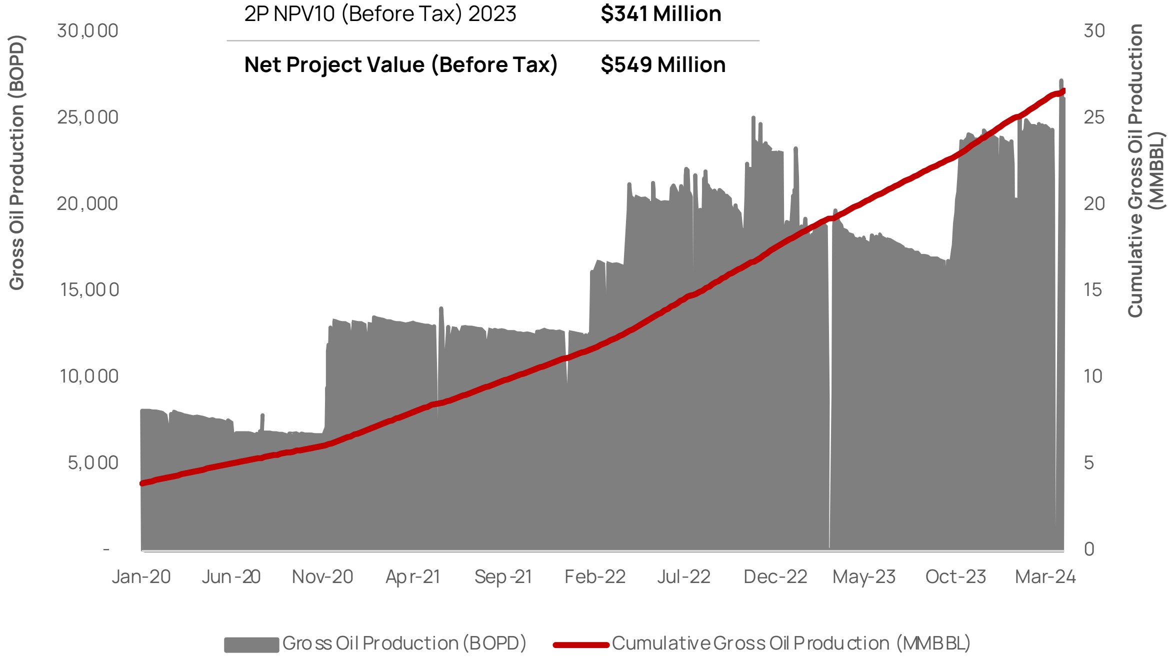
VALUATION	
Purchase Price (45% WI)	**$30 Million**
Net Cash Flow 2012-2023 (Before Tax)**	**$2.1 Billion**
2P NPV10 (Before Tax) 2023	**$2.2 Billion**
Net Project Value (Before Tax)	**$4.3 Billion**



CPO-5: GROSS PRODUCTION PROFILE SINCE ACQUISITION

SIGNIFICANT EXPLORATION INVENTORY & POTENTIAL UPSIDE TO CONTINUE GROWING PRODUCTION & RESERVES

VALUATION	
Purchase Price (30% WI)	**$225 Million***
Net Cash Flow 2020-2023 (Before Tax)**	**$208 Million**
2P NPV10 (Before Tax) 2023	**$341 Million**
Net Project Value (Before Tax)	**$549 Million**



**Corresponds to the portion allocated to the CPO-5 Block in the Amerisur acquisition.*
*** Net Cash Flow refers to Operating Netback less Capital Expenditures (excluding the effect of realized hedge losses or gains).*

SPEED

LATIN AMERICA IS AN OPPORTUNITY RICH ENVIRONMENT

GEOPARK APPROACH

STRONG TRACK RECORD OF CREATING VALUE THROUGH ACQUISITIONS

- Geology first: best basins, best rocks, best play types selected by G&G Team
- Achieve scale with value: production and reserves with upside
- Great economics: low-breakevens, value accretive
- Balanced portfolio: different plays, basins, countries, fluid types
- Conventional & Unconventional / Onshore / Shallow Offshore

MULTIPLE OPPORTUNITIES

- Significant Yet To Find (oil/gas)
- Multiple proven performance systems
- Play / trap diversity
- Expanding opportunity set / changing landscape
- Growing energy and fiscal needs

SPEED

GEOPARK