

MANAGEMENT PRESENTATION

CREATING VALUE AND GIVING BACK

March 2024



DISCLAIMER

CAUTIONARY STATEMENTS RELEVANT TO FORWARD-LOOKING INFORMATION

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This presentation includes forward-looking statements. Forwardlooking 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.



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RIGHT NEIGHBORHOODS









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01 RIGHT BUSINESS

01. RIGHT BUSINESS

WHO WE ARE

L A T A M - W I D E I N D E P E N D E N T

	21+ YEAR TRACK RECORD	LEADING OIL AND GAS FINDERS	RIGHT TEAM
	 135+ MMBOE Net produced 400+ Gross wells drilled Acquired 6,000 km² 3D seismic with additional 880 km² underway in 2024 Assembled 4+ MM acres Value Created* \$1.8 BN 2P NPV10 	 Accomplished 81% Drilling Success Rate** Discovered 440+ MMBOE of 2P Reserves 	 Proven Team and Unique Culture
el 200	SPEED = ESG+	LOW-COST OPERATOR	\$ GIVING BACK TO SHAREHOLDERS
	 Net Zero Commitments (Scopes 1 & 2) 34% reduction in GHG emissions vs. 2021 Majority Independent Directors MSCI ESG rating upgraded to 'AA': ESG leader 	 ~90% of Production is cash flow positive at \$25-30 Brent Reduced D&C and operating costs by 40-45% since 2012 	• \$225+MM Returned through dividends and buybacks representing 45% of current market cap



Experience and track record executing projects in six countries

in Latin America, with diversified outlook since inception

GEOPARK

01. RIGHT BUSINESS

MEDIUM-TERM VISION LEADING LATIN AMERICAN INDEPENDENT



Production 100,000 BOEPD

2P Reserves 400 MMBOE



Assets Portfolio **Deep and Diversified**

People Attract and Retain Best Talent

Safety



Execution Efficient & Low Cost **Best Science & Technology**



#1 Priority / Zero LTIR

Carbon Intensity 50% Reduction

DELIVER MORE EVEN

PEOPLE

ASSETS

✓ EXECUTION

CREATE AND SHARE PROSPE Environment **Zero Oil Spills**

Improve Our Environment /

CULTURE

✓ NEIGHBOURS ✓ ENVIRONMENT

✓ GOVERNANCE

RETURN VALUE

Ethics and Governance

Highest Standards

✓ CAPITAL

✓ PROJECTS

✓ RETURNS



Cash Flow Generation Maintain Cash Generation 2-4X CAPEX



Capital Allocation Allocate Capital to Highest Value Projects

> **Risk Management** Take and Manage Risk



and Respect



Communities / Human Rights

Collaboration, Alignment



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02 RIGHT NEIGHBORHOODS

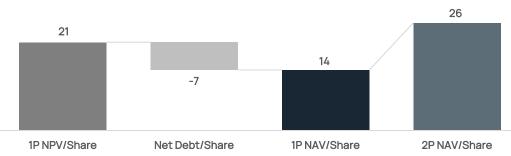
RESERVES 110% 2P REPLACEMENT

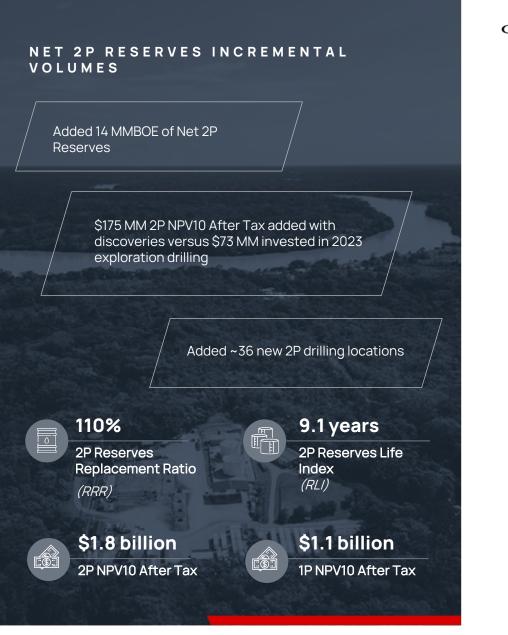
Reserves

2P 2022 TO 2023 YEAR-END RESERVES EVOLUTION 12.7 16.0 113.8 115.1 2022 Year-End 2023 Production Discoveries and Technical Economic 2023 Year-End

022 Year-End 2023 Production Discoveries and Technical Economic 2 Reserves Extensions Revisions Factors & Other

ATTRACTIVE NAV/SHARE VALUATION





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02. RIGHT NEIGHBORHOODS

LLANOS 34 A WORLD-CLASS ASSET

OVERVIEW

- Acquired in 2012 with no reserves or production
- 170+ gross MMBBL producedTigana & Jacana rank among

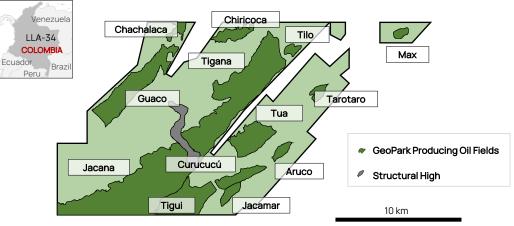
top 10 producing oil fields in

Colombia

- 13 oil fields discovered
- 200+ gross wells drilled

2024 DRILLING CAMPAIGN

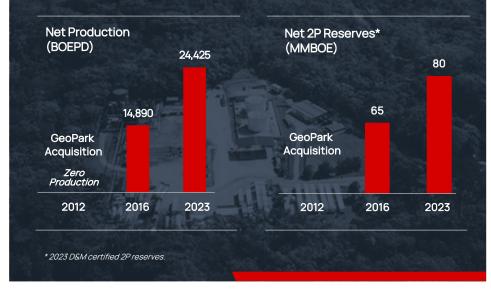
- 18-20 development and injector wells, including 5-7 horizontal wells
- 1 exploration well



KEY METRICS



NET PRODUCTION AND RESERVES GROWTH



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LLANOS 34 IMPROVING RECOVERY

HORIZONTAL WELLS

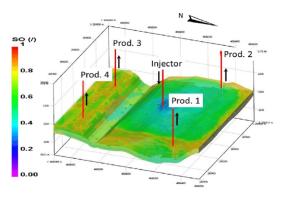
2023: From Pilot to Six Wells Mirador Formation ~9,500 bopd Total Production* Drilling Costs 20% Lower vs HW1 Laterals 44% Longer vs HW1 1,200 to 3,500 Feet Horizontal Section >6 Million BBLS Produced

2024: 6 Wells Mirador & Guadalupe formations

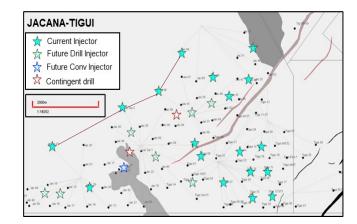
* As of March 10, 2024

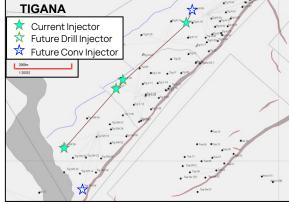
WATERFLOODING

- Pilot phase 2022 2023
- Optimum water injection through 5-spot and peripheral flooding
- Improved Recovery Factor by pressure maintenance and sweep
- 22 injectors implemented 3,300 bopd incremental production
- 8 to 10 wells scheduled for 2024



Inverted 5-spot injection pattern





Peripheral Injection

Jacana-Tigui – Peripheral + Pattern Development

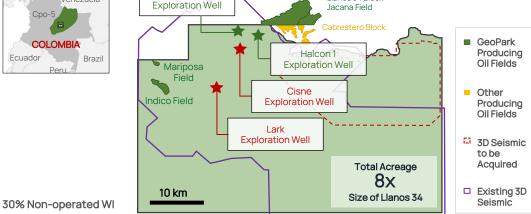
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Ecuador

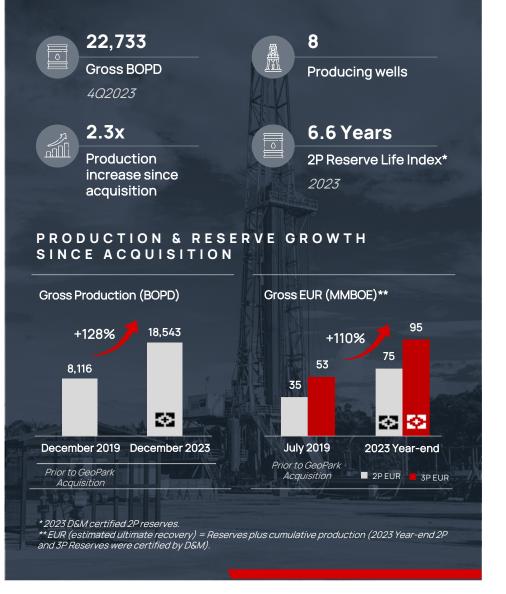
Peri

CPO-5 **UNLOCKING THE** UPSIDE

OVERVIEW	 Acquired in 2020 Adjacent to core Llanos 34 Block Indico ranks among top 10 producing oil fields in Colombia
2 0 2 4 C A M P A I G N	 Drilling 3-4 development and appraisal wells Drilling 1-2 exploration wells Acquiring over 230 km² of 3D seismic
Venezuela Cpo-5	Perico 1 Exploration Well



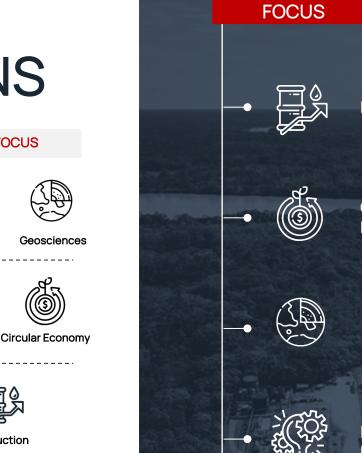
KEY METRICS





INNOVATION AGILITY AND QUICK WINS

PROJECT	IMPACT	FOCUS
Artificial Intelligence	 Leak detection in OBA pipeline - \$21-25k/yr Energy optimization of inj. pumps - \$150-200k/yr Fluid prediction from mud with gas cromatography 	Production Geosciences
Carbon Quantum Dot Tracers for Waterflooding	 Reduce lab analysis timeframes 75% 65% cost reduction Environmentally friendly Tax benefits \$4 MM net to GeoPark 	Production Circular Economy
Centrifuge for tank bottoms	 Centrifuge decanter to reduce waste +50% \$350k OPEX savings Reduce CO₂ emissions 	Production
Electrocoagulation of waste water	• OPEX annual savings \$130k	Ó



Circular Economy

Production Circular Economy & Energy Transition Geosciences



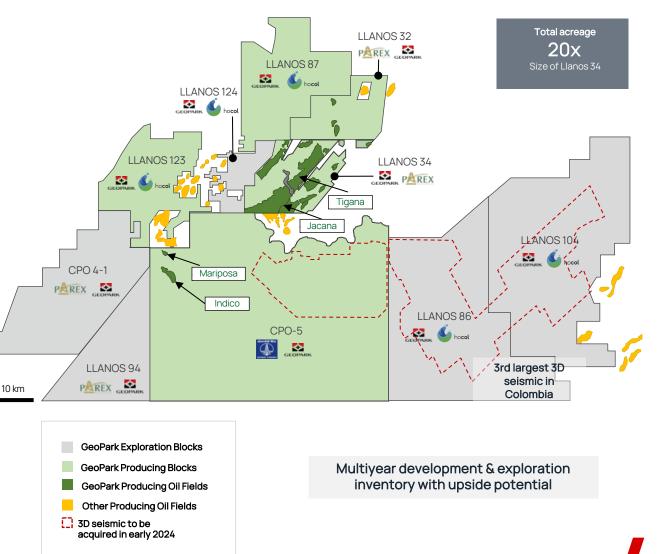
Innovation Management GEOPARK



LLANOS BASIN CHAMPION

2024 CAMPAI	G N Exploration Wells	Development and Appraisal Wells	Km² of 3D Seismic
LLANOS BASIN Consolidated Activity	3-4	24-33	880+
CPO-5 GeoPark Non-operated, 30% WI	1-2	3-4	230+
LLANOS 34 GeoPark Operated, 45% WI		18-20**	
LLANOS 87 & 123* GeoPark Operated, 50% WI	1	3-9	
LLANOS 86 & 104 GeoPark Operated, 50% WI			650+***
* Subject to joint venture appro ** Includes injector wells. ** 3rd largest seismic acquisiti			

HIGH GROWTH POTENTIAL IN WELL-KNOWN BASIN



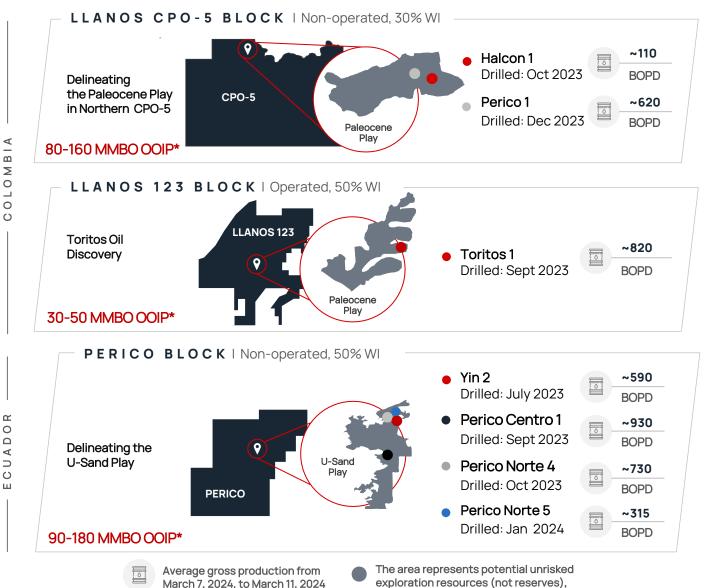


NEW GROWTH FAIRWAYS

THREE NEW HIGH-POTENTIAL PLAYS IN COLOMBIA & ECUADOR

- Combined traps (Structural & Stratigraphic)
- Order of magnitude larger than remaining discrete, isolated structural traps
- Important catalysts for reserve replacement and production growth
- 100% success rate in all plays to date
- Current combined gross production of ~4,100 BOPD
- No oil-water contacts identified
- 19 2P & 19 3P locations generated from the exploration success
- Delineation to continue in 2024 with 7-11 gross wells

Stratigraphic traps are generally associated with higher resource potential

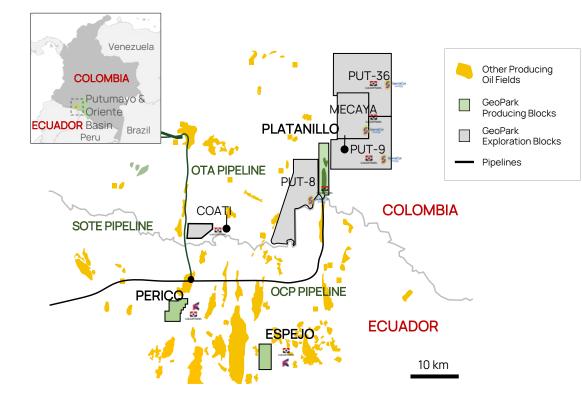


internally estimated by GeoPark (not certified or audited by any independent third party) ANAGEMENT PRESENTATION

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02. RIGHT NEIGHBORHOODS

PUTUMAYO & ORIENTE: UNDEREXPLORED PROVEN BASIN





2024 CAMPAIGN

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



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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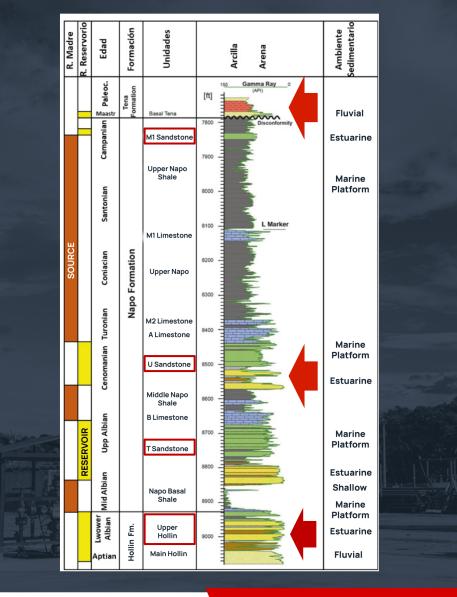
DEVELOPING EXPERTISE IN THE U-SAND

OBJECTIVES

- Seven wells drilled, Seven successes
- Developed a proprietary U-Sand reservoir model, has significant potential; significant competitive advantage
- Aggressive 2024 appraisal program converting 2P to 1P (PDPs)
- Early 2024 U-Sand and basal Tena appraisal success at Perico Norte 5
- Currently drilling the Perico Norte 6 appraisal well



ORIENTE - PUTUMAYO BASIN: TYPE WELL







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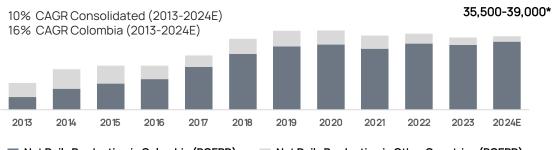
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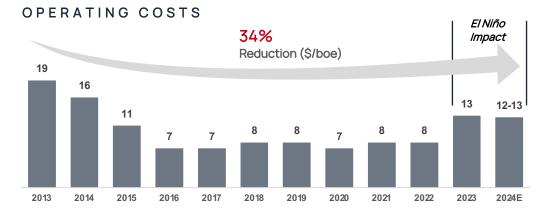
LOW-COST & EFFICIENT OPERATOR

PRODUCTION GROWTH (BOEPD)

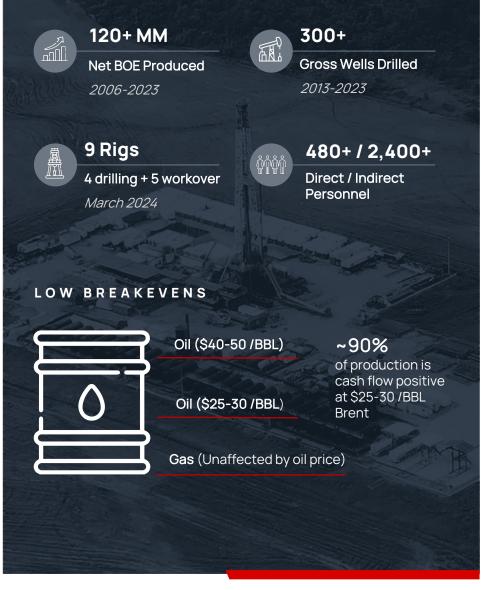


Net Daily Production in Colombia (BOEPD)

Net Daily Production in Other Countries (BOEPD)



ON THE GROUND OPERATIONAL EXPERIENCE



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COST &

CAPITAL

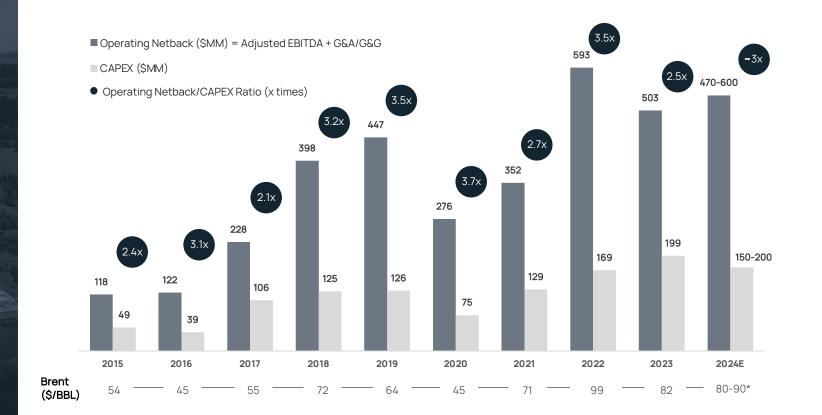
EFFICIENCY

EROR

LEADS TO

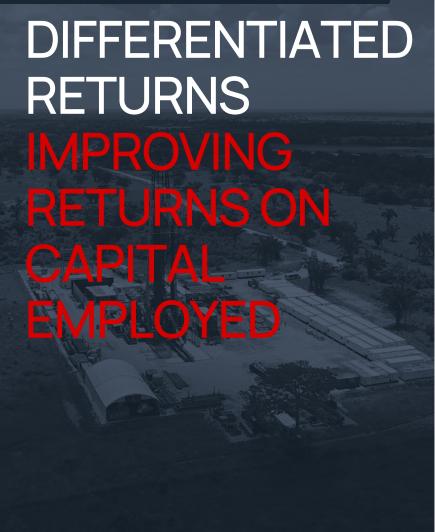


CASH GENERATION 2-4x CAPEX IN EVERY OIL PRICE ENVIRONMENT



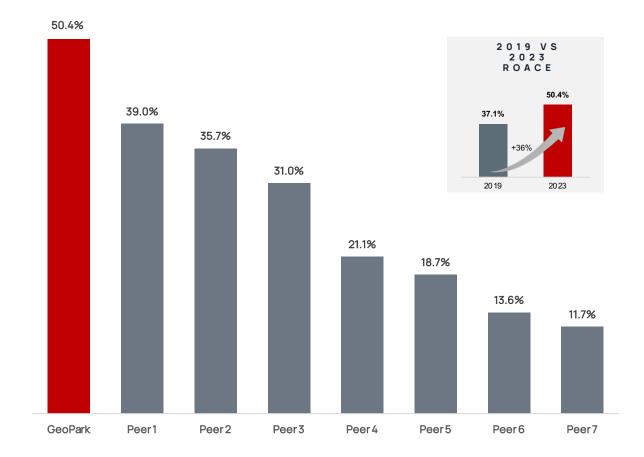
* Base Case assumption for 2024.

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ROACE - LATAM JUNIOR E&P's - LAST TWELVE MONTHS



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

2024 WORK PROGRAM: DISCIPLINED CAPITAL ALLOCATION

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



2024 WORK PROGRAM FLEXIBILITY



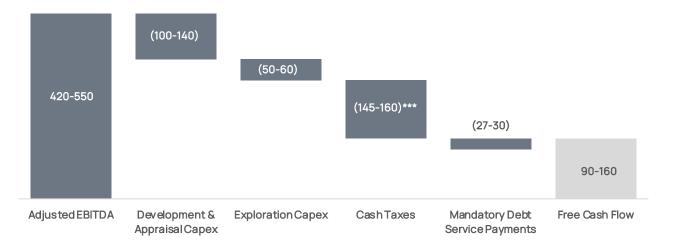




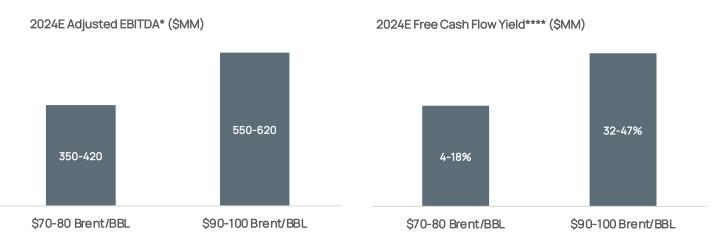
STRONG FREE CASH FLOW* GENERATION







SENSITIVITY TO BRENT SCENARIOS



* 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. **** Free cash flow yield divided by market capitalization from December 1, 2023 to January 1, 2024.

STRONG BALANCE SHEET WITH SAFETY NETS IN PLACE

LIABILITIES

Well-structured, low-cost & long-maturing debt profile

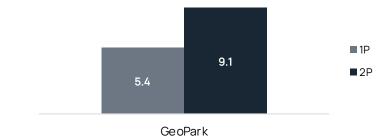
\$275 MM debt reduction since April 2021

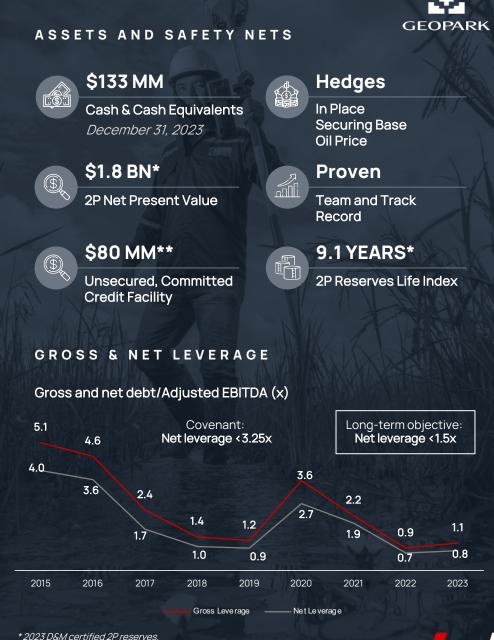
\$500 MM Bond maturing in 2027

5.5% Coupon

RESERVE LIFE EXCEEDS DEBT MATURITY

Reserve life index (years) – D&M 2023





** No amounts drawn as of March 12, 2024.

APPROACH



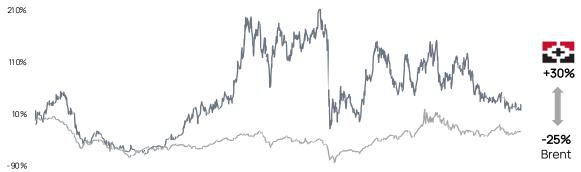
HEDGING PROGRAM ONGOING CAPEX & DEBT SERVICE



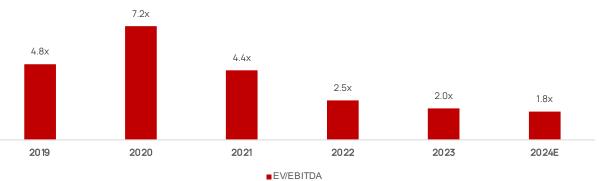


RETURNING VALUE TO SHAREHOLDERS

10 YEARS OUTPERFORMING BRENT



Feb-14 Oct-14 Jun-15 Feb-16 Oct-16 Jun-17 Feb-18 Oct-18 Jun-19 Feb-20 Oct-20 Jun-21 Feb-22 Oct-22 Jun-23 Mar-24



TRADING BELOW HISTORICAL MULTIPLES

RETURNED MORE THAN 45% OF MARKET CAP TO SHAREHOLDERS SINCE 2019 \$69 MM **Total Distributed** 6.15% Quarterly 2019 - 2023 Cash **Dividend Yield*** Dividend \$7.5 MM \$30 MM Annually \$156 MM 20% of Shares Outstanding Share Up to \$50 MM E B 2019 - 2023 Buyback Share Program Repurchases \$31.2 MM 3.0 MM Shares 2023 Source: Bloombera * Dividends divided by market capitalization from December 1, 2023 to January 1, 2024.



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04 SPEED (ESG+) SINCE DAY ONE

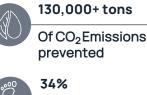
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CLEAN HYDROCARBONS: CLIMATE ACTION



Reduction in Carbon Emissions Intensity to 12.1 kgCO₂ e/bbl*

CO₂ reduction

Goals for all employees

Schneider Electric Sustainability Impact Awards 2023 Zone Winner Impact to my Enterprise

GHG EMISSIONS INTENSITY REDUCTION TARGETS

Scopes 1 & 2 (GeoPark operated) Baseline: 2020

Short-Term

Medium-Term

Long-Term

Emissions Intensity Reduction by 2025 or sooner

> Emissions Intensity Reduction by 2025-2030

> > Emissions by **2050**



Llanos 34's connection to the National Grid:

- Long-term benefits of ~100k tons yearly emissions
- Colombia has one of the cleanest energy matrices**

Solar Photovoltaic Farm:

- 10 MW energy capacity with no emissions
- New capabilities in our workforce



Involving all key operating process:

Lifting

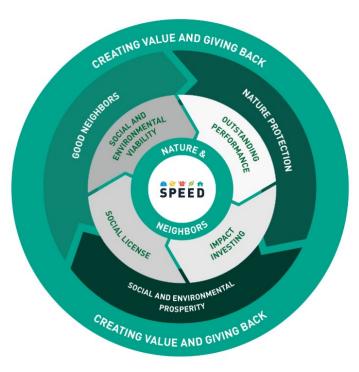
- Separation & treatment
- Reinjection
- Transportation

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SOCIAL: **EMPLOYER AND NEIGHBOR OF CHOICE**

PREMISES AND ENABLING FACTORS





03

Early management of the social environment

- Social Environment Plans by Asset
- Monitoring and Early Warning
- Alignment with the Business **Continuity Model**

Value Chain



02

OUR EMPLOYEES

Own shares

Company

in the

equipares

100%

30%

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Gender-Equali Index

Socioenvironmental Investment Strategy

Social Dialogue and

Citizen Participation

training in 2022 wellness benefits Of the Executive Team are women Great Place To Work Great Place ED.29 P R E M I O S To Work Portafolio Certified Certified Permanent Relations.

Have access to

Received

GOVERNANCE: **DIVERSE AND EXPERIENCED BOARD**



AJORI, ส์สินิก NOEPENDE



EXECUTIVE BOARD MEMBERS



- James F. Park Co-founder and Former CEO of GeoPark
- SPEED Technical
- Strategy & Risk



Andrés Ocampo CEO and Former

CFO of GeoPark

SPEED



Marcela Vaca Former General Director

of GeoPark Colombia

SPEED





INDEPENDENT BOARD MEMBERS



- Former CEO of Terpel SPEED
- Audit Nomination & Corporate Governance



- Robert A. Bedingfield Former Lead Partner at EY
- Compensation Audit
- Nomination &
- **Corporate Governance**



Brian F. Maxted Co-founder and Former CEO & CXO of Kosmos Energy

Compensation Technical Strategy & Risk



Somit Varma

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

- Compensation
- Technical
- Nomination & Corporate Governance
- Strategy & Risk



Constantin Papadimitriou

CEO of General Oriental Investments S.A.

Compensation

- Audit
- Strategy & Risk



Carlos E. Macellari

Technical

Strategy & Risk

Former Director of Geology at Repsol and Former Director of Exploration and Development at Tecpetrol

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GEOPARK NAMED 'ESG LEADER'

CARBON DISCLOSURE PROJECT:

Beginning the Journey





United Nations Global Compact

United Nations signatory to the Global Pact 10 Universally accepted principles of Human Rights, Labor standards, environment, fight against corruption and, Sustainable Development Goals (SDGs)

BLOOMBERG GENDER EQUALITY INDEX



Member of the Bloomberg GEI since 2021

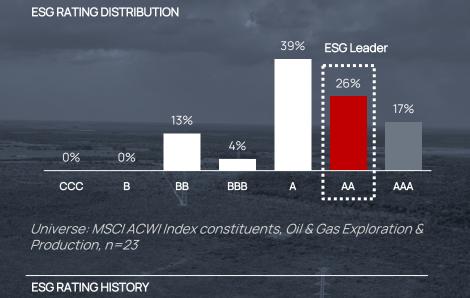
DOW JONES SUSTAINABILITY INDEXES



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

Dow Jones Sustainability Indexes

MSCI: RATINGS EVOLUTION











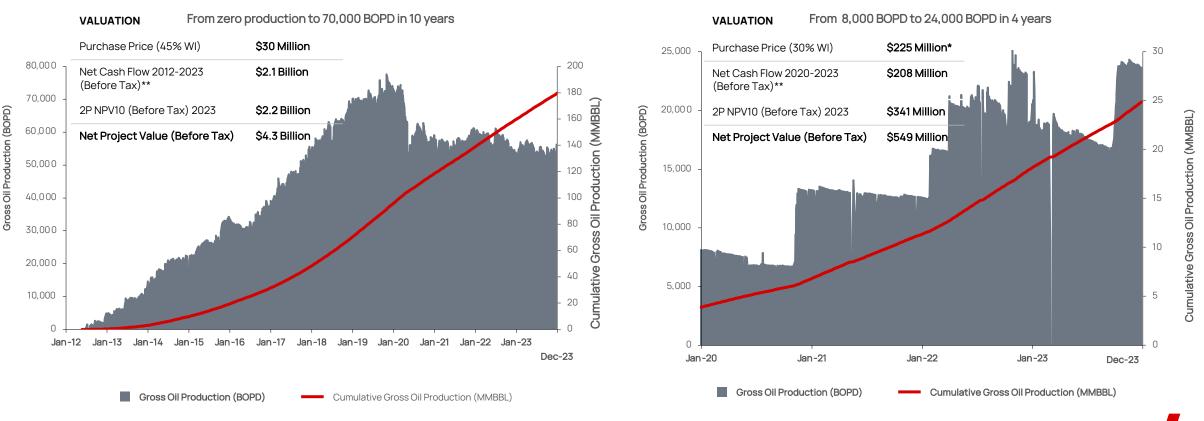
WEMAKE ASSETS BETTER

05.WE MAKE ASSETS BETTER



CREATING VALUE THROUGH ACQUISITIONS

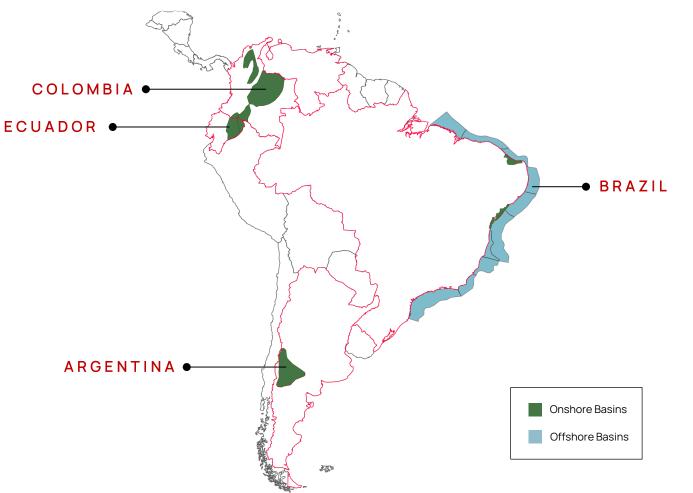
LLA34: GROSS OIL PRODUCTION PROFILE SINCE ACQUISITION CPO-5: GROSS PRODUCTION PROFILE SINCE ACQUISITION



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05.WE MAKE ASSETS BETTER

MULTIPLE OPPORTUNITIES ACROSS LATIN AMERICA



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



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IN SUMMARY



