

ARROW EXPLORATION

**Growing & Socially-Responsible
Colombia-Focused Energy
Company**

AIM | TSXV : AXL
February 2022

Corporate Presentation



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Investment Overview



Opportunity-Rich Asset Base Across Two Basins in Colombia + Canadian Montney



Brent-Linked Production Growth: 1,200 boe/d → Up to **3,000 boe/d Within 15 Months⁽¹⁾**



Up to 5 Additional Wells in 2022: **Consistent Flow of News**



Reserves 7.0 MMboe + Unrisked Prospective Resources (Carrizales Norte) 1.3 MMbbls



Seasoned Executive Team and Board



Pursuing Accretive Acquisitions to Create Additional Value



Funded Business Plan: \$12M Placing and Listing on AIM (LSE) Completed October '21



Compelling Valuation: Trading at 50-60% Discount to Peer Averages



Committed to ESG Best Practices & Investing in Our Communities

Corporate Snapshot

Market

\$33.6M

Market Cap

\$10.3M

Cash

213M

Shares O/S

Assets

1,209 BOE/D

Production

7 MMBOE

2P Reserves²

\$55.60/bbl

2022E Colombia Field Netbacks³

Valuation

1.8x

Price/2022E Field Cash Flow

\$18,804

Ent. Value¹/BOE 2021 Exit Production

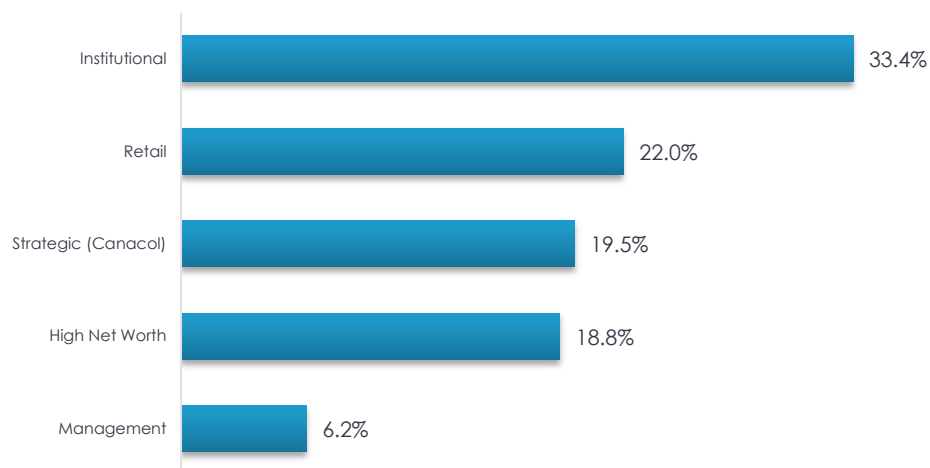
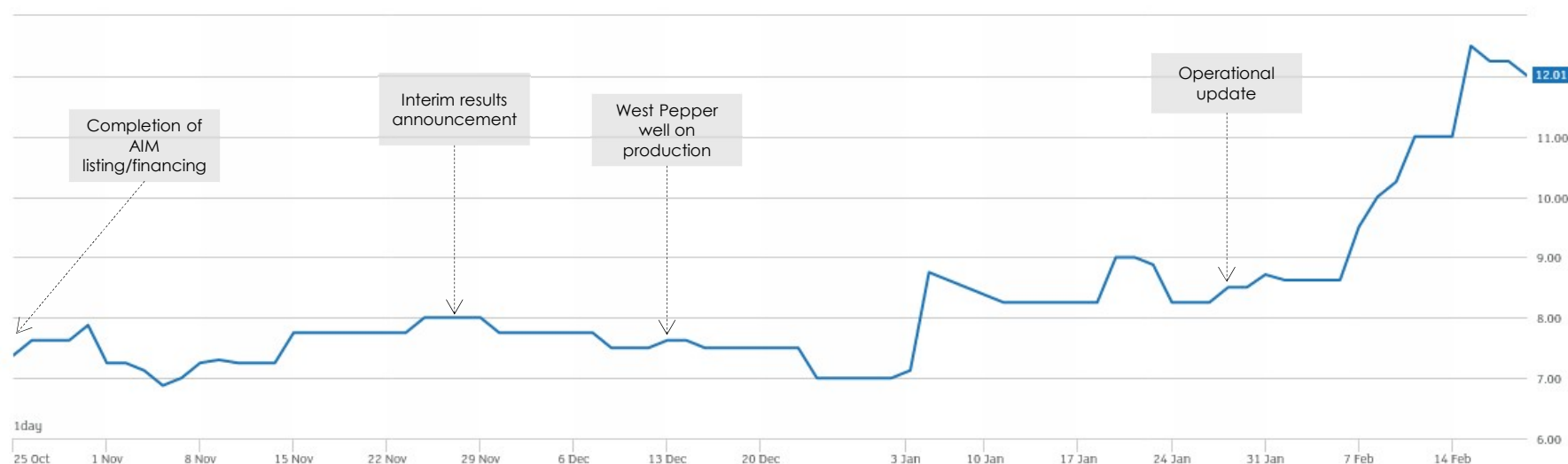
\$3.76

Ent. Value¹/BOE 2P Reserves

1. Enterprise Value = Market Cap plus Debt minus Cash.
2. Soury GEC December 31st, 2020 Reserve Report. Arrow's 50% interest in the Tapir block is contingent on the assignment by Ecopetrol of such interest to Arrow.
3. Excluding field netbacks of Cimbru (Capella)

AIM Share Performance | Share Ownership

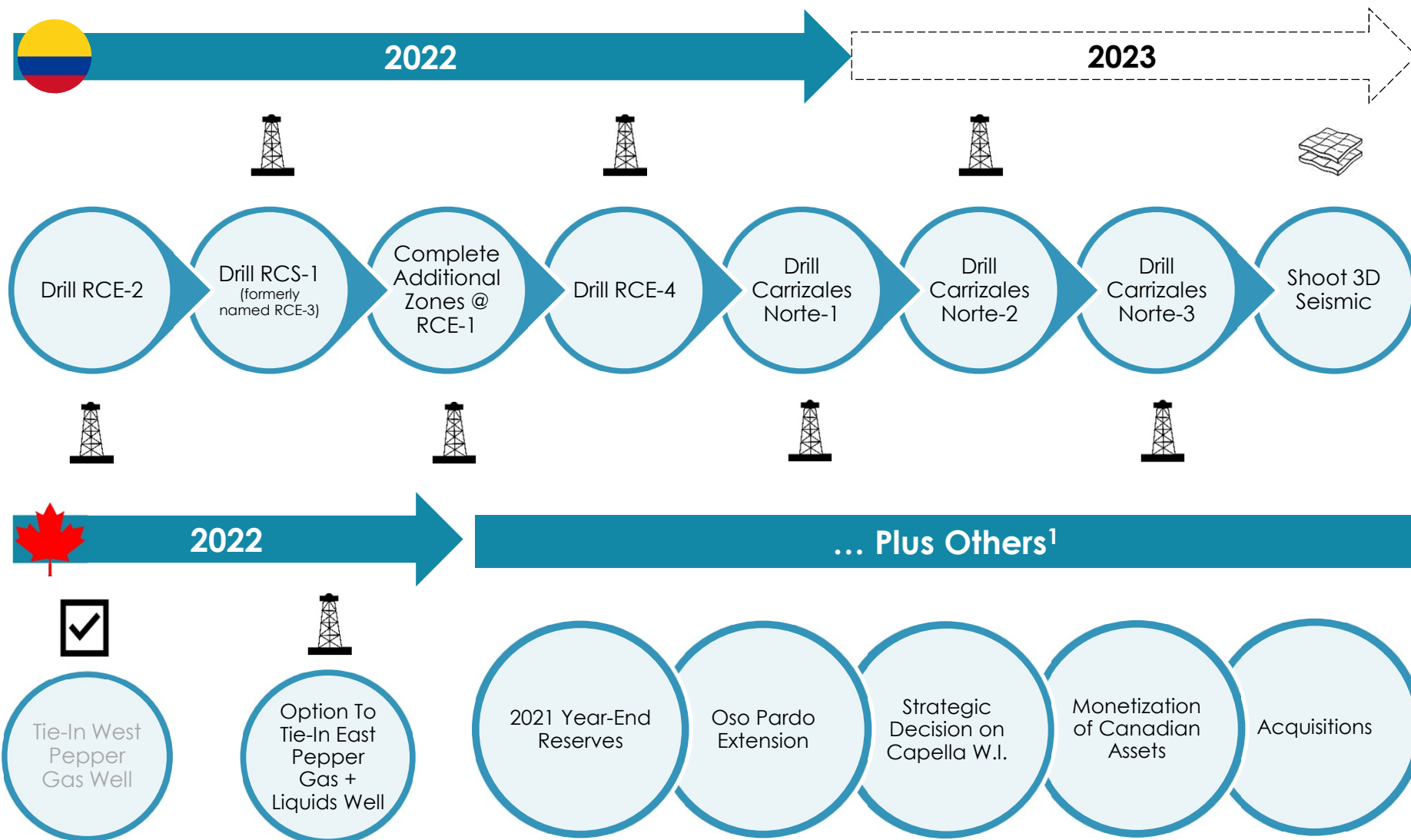
ARROW EXPLORATION CORP. COM SHS NPV (CDI)



Ticker	AIM TSXV : AXL
Avg. Daily Trading Volume	715,000
Recent Share Price (2-17-2022)	12.25p
52-Week Low	6.88p
52-Week High (TSX-V)	12.50p
Shares O/S (M)	213.4
Options O/S (M)	17.1
Warrants O/S (M)	72.5
F.D. Shares O/S (M)	303.0

Value-Building Catalysts

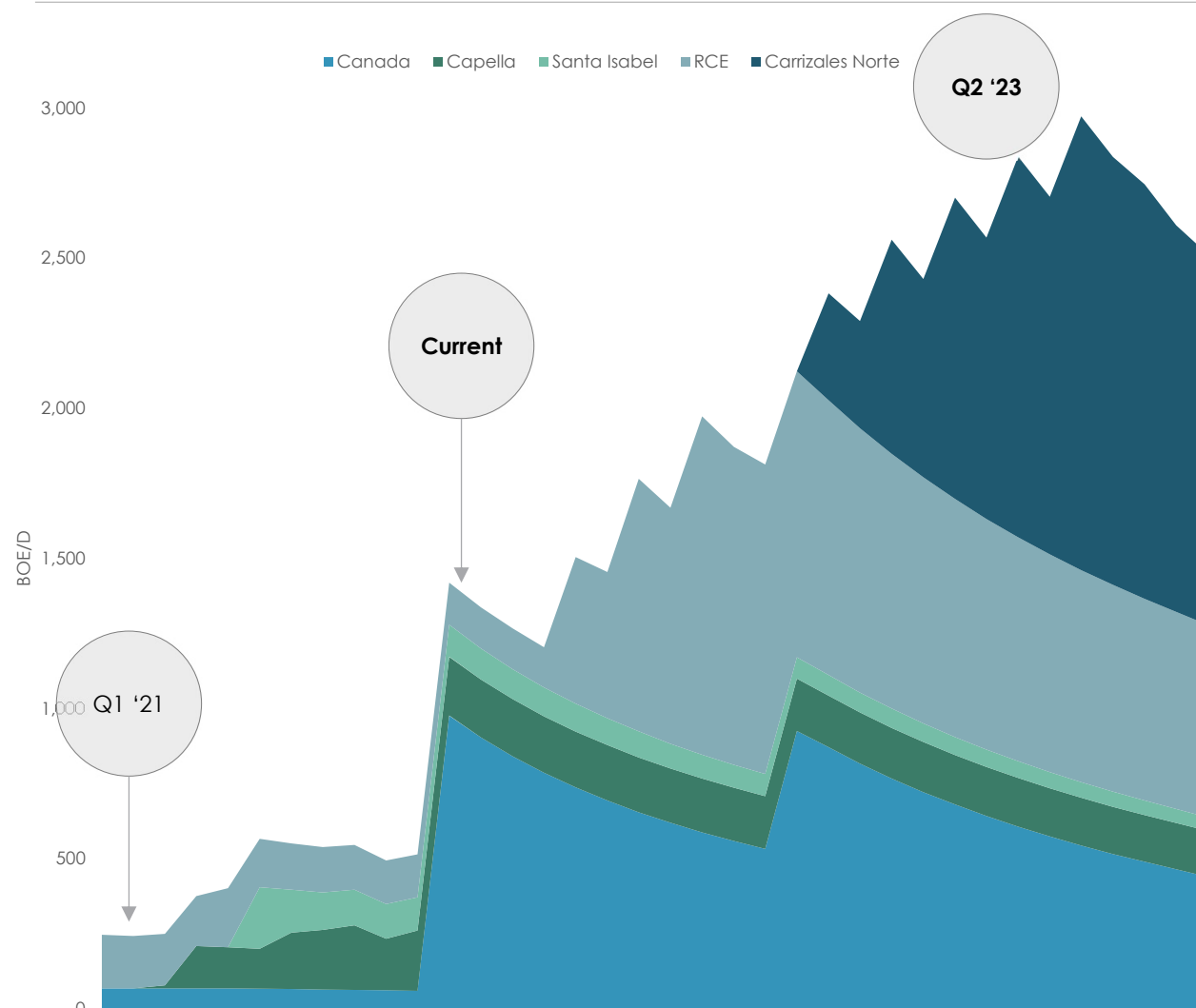
Opportunity for Material Growth and Resultant Share Price Re-rating



1. Other catalysts not shown in order in which they may occur

Near-Term Production Growth

Management Forecast



Growth Highlights

- Targeting 3,000 boe/d in the near-term
- Colombia: Production growth expected to be primarily driven by successful drilling of additional wells at RCE and Carrizales Norte
- During final phase of development drilling in Colombia, a large 3D seismic program will be pursued to prove-up leads & prospects
- Canada: Existing production from West Pepper, and an option to tie-in East Pepper

Seasoned Management Team



P. Gage Jull
Executive Chairman

- 30+ years of capital markets, financing, turnaround experience
- Former Head of Energy Investment Banking at Mackie Research Capital
- MBA, P.Eng, CFA

Marshall Abbott
CEO & Director

- 37+ years in leadership, building and accretively selling successful oil and gas companies
- Texaco, Morrison, Stampeder, Cougar, Sabretooth, Rampart, Bernum
- BSc Geology

Joe McFarlane
CFO

- 27+ years in oil & gas; helped build/sell 5 cos.
- Former Rampart, Bernum, Sabretooth Energy, NAV Energy Trust, EnCana, PanCanadian, E&Y
- B.Comm., CPA, CA

Bob Petryk
Ops. Manager

- 40+ years in oil & gas E&P as well as services
- B.Sc. (Mineral Engineering, Petroleum Specialization)

Phil Miller
SVP Exploration

- Geoscientist with 40+ years of technical and leadership experience
- Projects in Latin America, Middle East, West Africa, and the North Sea
- Pan African, Nexen, and Home Oil

Max Satel
EVP Corp. Dev. & IR

- 17+ years of experience in investment banking, start-ups, and corporate development roles
- Involved in 140+ M&A and financing transactions during his career

190+ years
Combined experience

8 companies
Founded → grown → sold

TSX/TSX-V/AIM
Public company expertise

15+
O&G jurisdictions worked in

Management's Track Record of Value-Creation

Company	Initial Production	Production at Exit (boe/d)	Return to Shareholders (CAGR) ¹	
Cougar Hydrocarbons	0	3,000	280%	
Equatorial Energy	0	13,000	150%	
Sabretooth Energy	0	1,700	100%	

... + 5 Others

**Significant value-creation achieved through
successful drilling + strategic M&A**

1. Estimated CAGR in share price during management tenure with previous companies

Board of Directors



P. Gage Jull
Executive
Chairman

- 30+ years of capital markets, financing, turnaround experience
- Former Head of Energy Investment Banking at Mackie Research Capital
- MBA, P.Eng, CFA

I = Independent

Marshall Abbott
CEO &
Director

- 37+ years in leadership, building and accretively selling successful oil and gas companies
- Texaco, Morrison, Stampeder, Cougar, Sabretooth, Rampart, Bernum
- BSc Geology

Maria Charash
Non-Executive
Director (I)

- 20+ years in commercial finance and M&A in oil & gas
- Senior roles with Petredec, World Fuel Services Corporation, Shell, JP Morgan.
- MBA, Fellow of the ACCA

Grant Carnie
Senior Non-
Executive Director (I)

- 35+ years in oil & gas
- Previously Director, SFC Energy Partners
- Senior roles with Cornerstone Energy, MarkWest Energy Partners, Questa Engineering, Occidental among others
- B.Sc. Geology

Anthony Zaidi
Non-Executive
Director

- Lawyer and businessman
- VP Business Development and General Counsel of Canacol Energy Ltd.
- Juris Doctor (University of Toronto), B.Comm (McGill)

Ravi Sharma
Non-Executive
Director

- 30+ years in oil & gas
- Former BHP Billiton Petroleum, Occidental Oil and Gas
- Currently COO of Canacol Energy Ltd.

Colombian Oil & Gas Industry Dynamics



Excellent pricing based on Brent less Vasconia Differential (\$2-\$5/bbl)



Abundant infrastructure with spare pipeline capacity and no bottlenecks



Ample export capacity including two port facilities on Caribbean coast



Government very supportive of the oil and gas industry which is 30%+ country's exports



Attractive fiscal terms including 8-14% royalties on Arrow's properties



Long-term, stable outlook for Colombia, one of South America's most fiscally responsible countries

Asset Overview

Highlights

Asset	Country	Basin	W.I.	Production ⁽³⁾ (boe/d, net)	Operator
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Core Assets

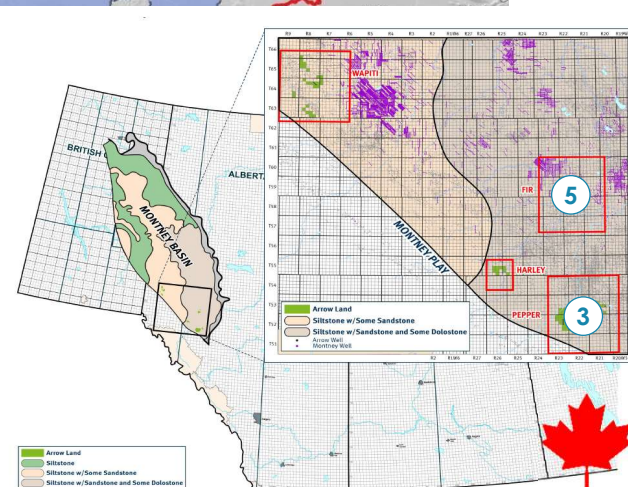
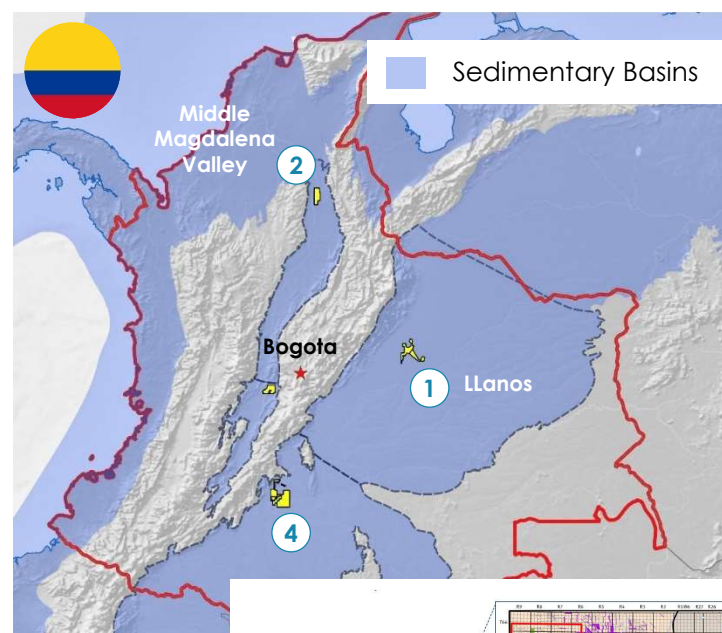
1. Tapir ⁽¹⁾	Colombia	Llanos	50%	137	Arrow ⁽²⁾
2. Oso Pardo	Colombia	MMV	100%	140	Arrow
3. Pepper	Canada	WCSB	100%	647	Arrow

4. Ombu	Colombia	Putumayo	10%	~ 190	Emerald
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5. Fir	Canada	WCSB	24-40%	95	Tourmaline
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Total **1,209**

1. Arrow's 50% interest in the Tapir block is contingent on the assignment by Ecopetrol of such interest to Arrow.
2. By way of JOA contract with PetrolCo, Arrow's 50% interest in the Tapir block is contingent on the assignment by Ecopetrol of such interest to Arrow.
3. Estimated as of February 18, 2021



Tapir Block Overview

1 Key Characteristics ...

Excellent subsurface fundamentals

Multiple high-quality reservoir targets

Typically, 3 zones per well bore

Multiple opportunities with 3D seismic coverage

Substantial exploration upside

High chance of success based on 3D seismic

2 ... Drive Opportunities

Multiple prospects plus additional follow-up wells on success

Type-wells can deliver initial production (IP) of over 1,300 bbls/d

Historically, only 1 zone has been completed – opportunity to commingle zones

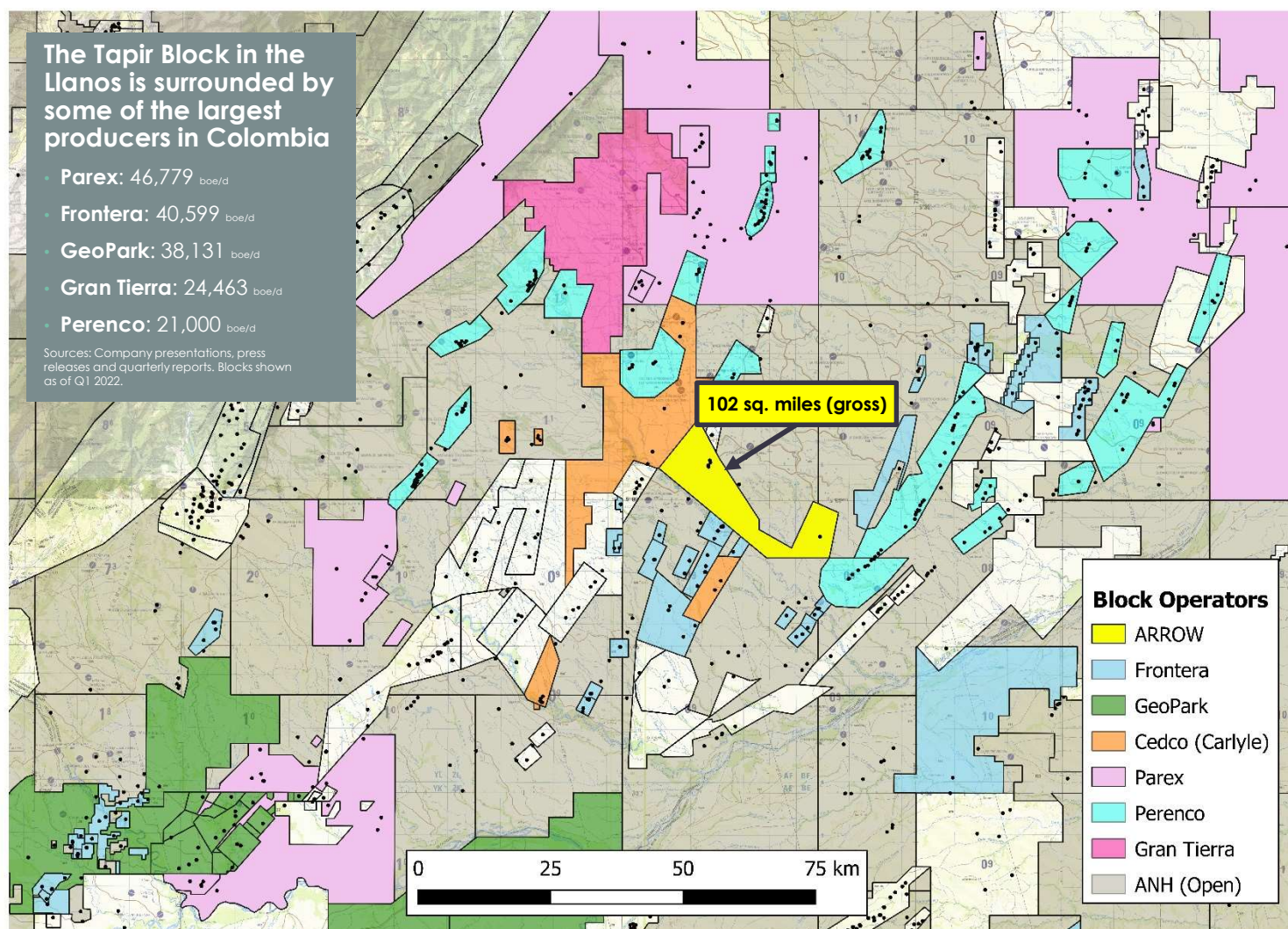
Potential for 4-5 wells at each of RCE and Carrizales Norte

Numerous leads identified with the existing 2D seismic grid

3D seismic will be acquired/reprocessed to de-risk leads and build a drilling inventory

Llanos Basin

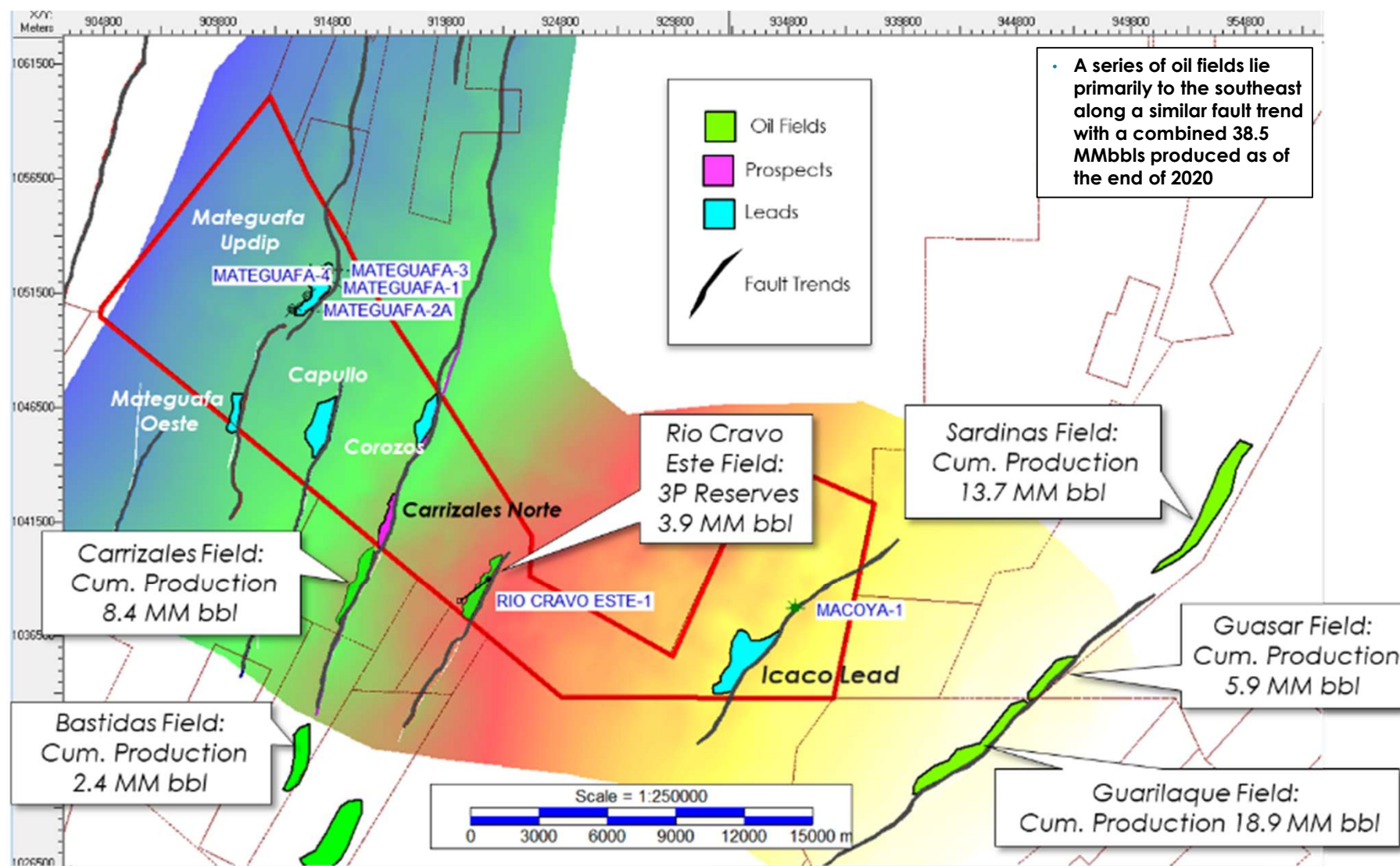
Low Risk – Excellent Economics – Prolific Production Levels



- Largely flat-lying areas with little vertical relief
- Year-round production (rainy season April–November)
- 80+ year history of hydrocarbon production
- Strong community support

Tapir Block Proximate Production

38.5 MMbbls Produced



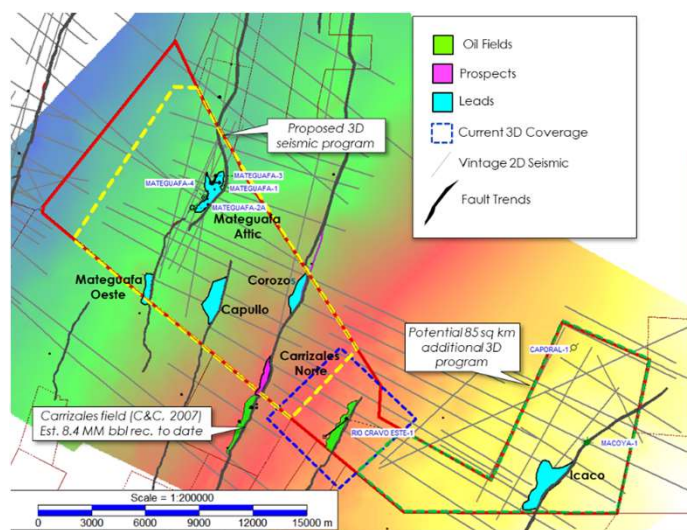
Current & Future Production

Tapir Block (50% W.I.)

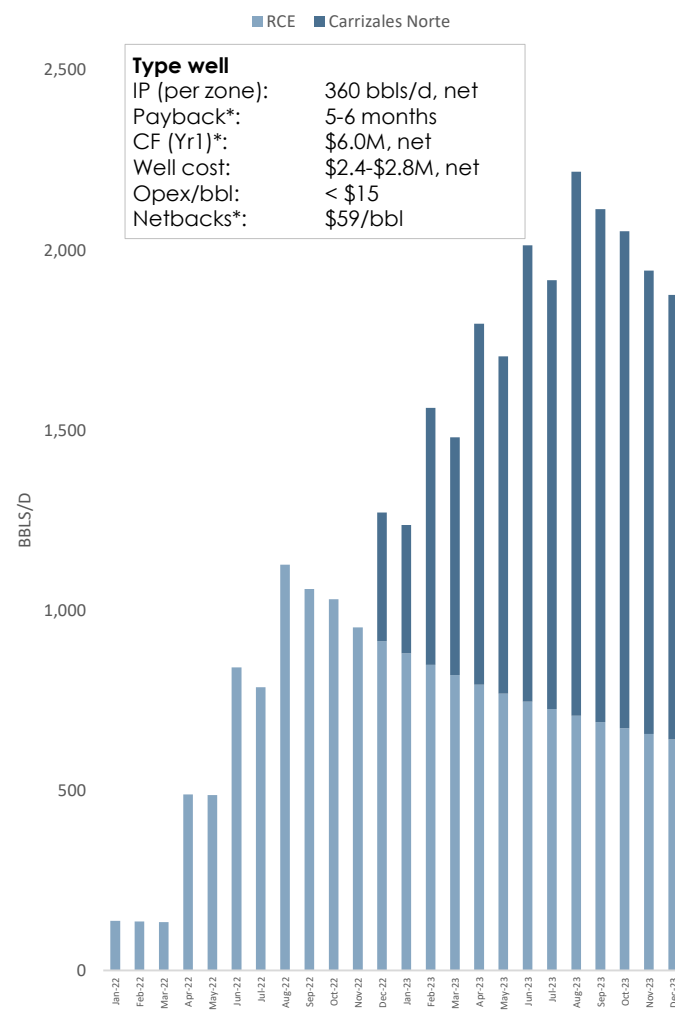
Overview

- RCE 2020 year-end 3P reserves of 3.9 MMbbls (gross) / 1.9 MMbbls (net to Arrow's W.I.)
 - Producing 137 bbls/d 28 deg. API oil, net, from a single zone
 - Play type is well-defined and has scope and repeatability; majority of wells in the Llanos Basin pursue this play type
- Rio Cravo Este** appraisal (up to 4-5 wells)
 - Drill RCE-2 well Q1 2022; potential to add 360 bbls/d, net; same structure as RCE-1
 - RCE-2 to be followed up by RCS-1 (formerly named RCE-3) – potential to add another 360 bbls/d, net
 - Carrizales Norte**
 - Drill Carrizales Norte-1 – low-risk step-out well considered to be an extension of the Carrizales Field
 - 1.3 MMbbls unrisks prospective resources (net to Arrow's W.I.)

Prospects | Leads | Infrastructure-in-Place



Tapir Block Potential Production (net to Arrow)



* Management estimates based on strip pricing as of January 20, 2022

RCE Targeted Well Locations (50% W.I.)

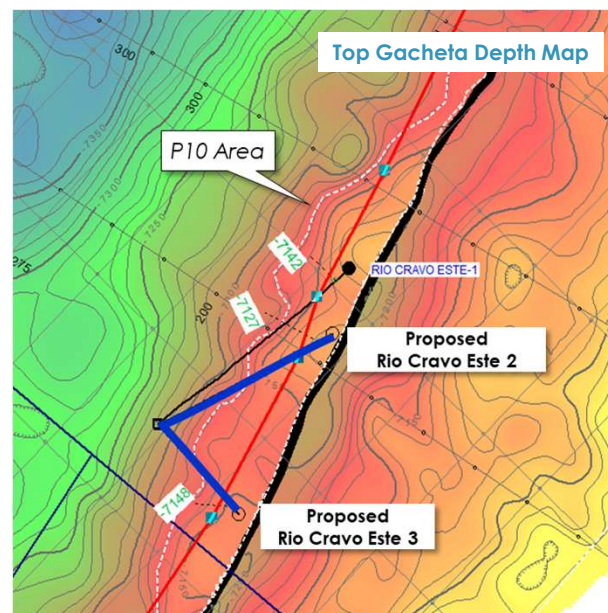
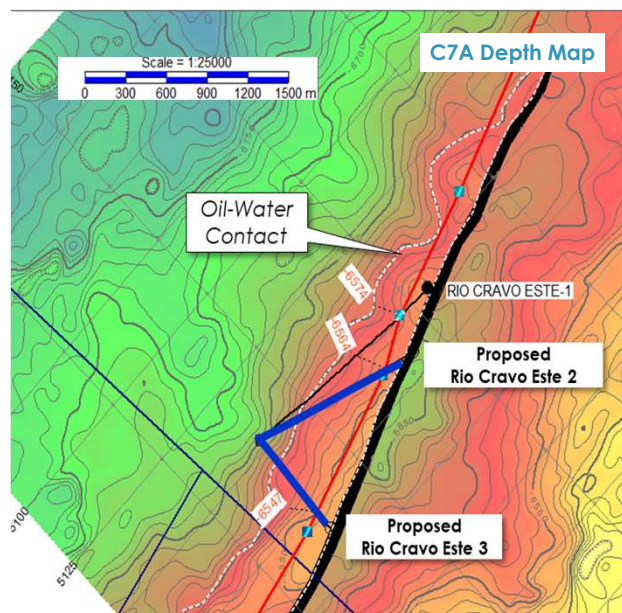
Near-Term RCE Well Locations

1. **RCE-2 Development Well**
 - Located within same local structural culmination as RCE-1
 - Primary Objectives: C7, Gacheta & Ubaque
2. **RCS-1 Development Well** (formerly named RCE-3)
 - Primary Objectives: C7, Gacheta & Ubaque
 - Target is a separate structural high within overall RCE structural closure
3. **RCE-4 Development Well**
 - Upon successful completions in additional C7, Gacheta and/or Ubaque sands, a fourth well will be considered to optimize production timing and maximize recoveries from all zones

Future RCE Well Locations

- Potential for additional well locations targeting additional zones, from 2023 onwards

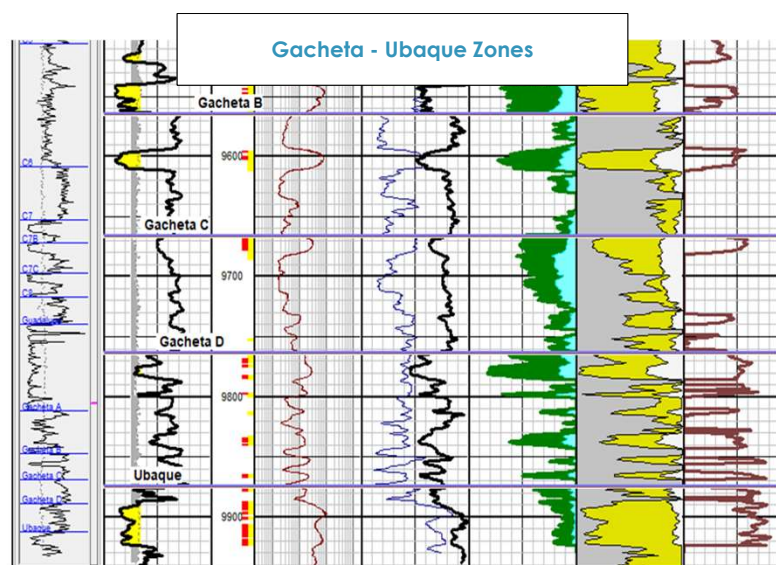
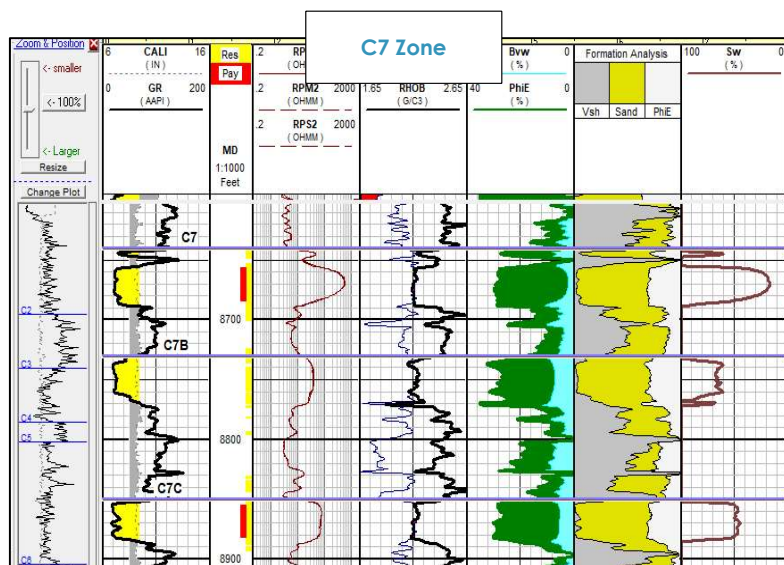
Well Locations on Map



RCE-1 Well Recompletion Opportunity (50% W.I.)

Overview

- Over 80 feet of net pay identified outside of the currently producing C7A sand
- New production from upcoming appraisal wells will allow for RCE-1 to be recompleted in another zone
- Three recompletion candidates have been high-graded:
 1. Upper C7 sand: Six feet net pay on logs, offset wells tested 700-1,500 bopd. Estimated recoverable resources of 500k bbls*
 2. Gacheta D sand: 18 feet net pay on logs, offset wells tested 2,000-2,400 bopd. Estimated recoverable resources of 440k bbls*
 3. Gacheta B sand: 11 feet net pay on logs. Excellent reservoir quality with similar production rates to Gacheta D expected. Estimated recoverable resources of 850k bbls*
- Secondary zones such as the C7C, Gacheta B, and Ubaque offer additional recompletion potential



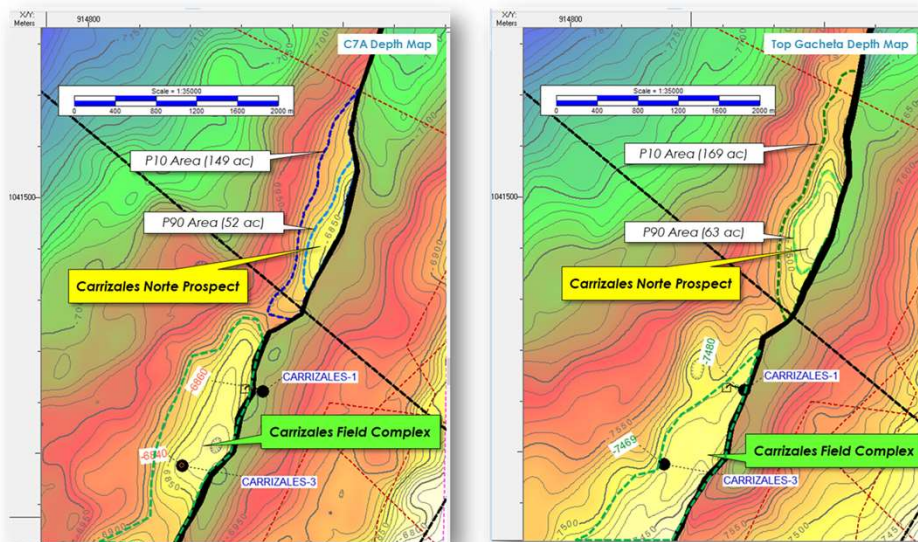
Future Production

Carrizales Norte Prospect (50% w.l.)

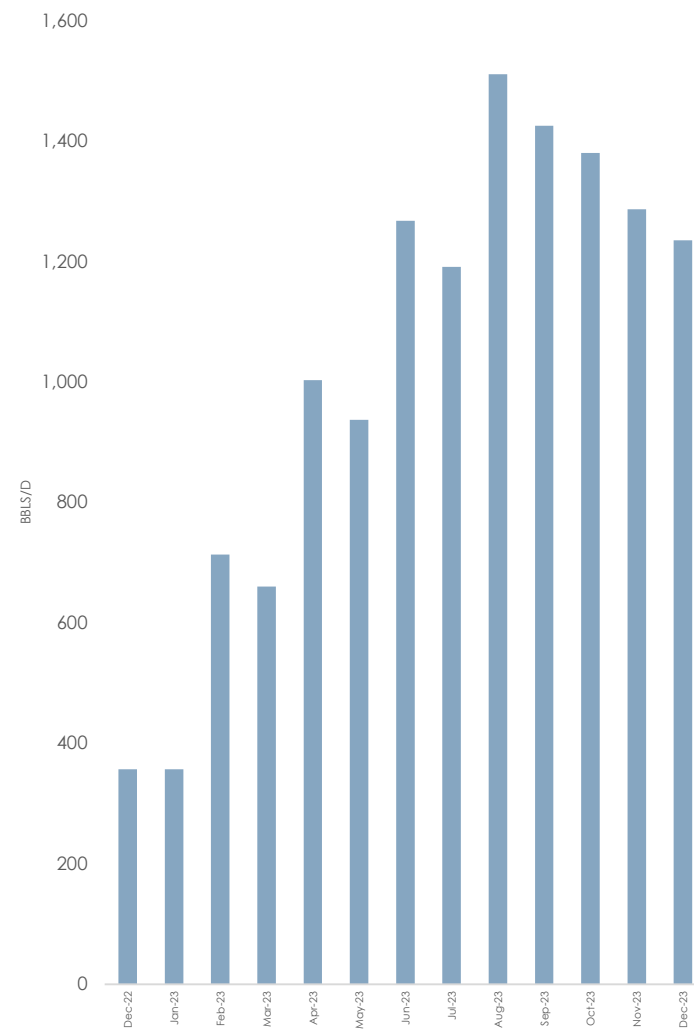
Overview

- Carrizales Field:
 - Discovered by C&C Energia in 2007 with the Carrizales-1 well – led to \$500 million sale of C&C. Frontera Energy is the current operator.
 - 24 wells have been drilled to date
 - As of December 2019, the field had produced approximately 8.4 MMbbls oil and had achieved a peak oil production rate of 7,300 bbls/d
- Arrow sees potential for 4-5 development wells at Carrizales Norte, with Carrizales Norte -1 seen as a low-risk step-out well from the Carrizales Field
- Multi-zone potential (similar to RCE)
- Within the vicinity of the Tapir block, the average peak or test rate from the three main producing formations is approximately 1,100 bbls/d, with some rates in excess of 2,000 bbls/d
- 2.5 MMbbls of gross unrisks best estimate oil prospective resources; Arrow estimates a very high chance of commercial success (over 90%)

Depth Structure Maps



Carrizales Norte Potential Production (net to Arrow)



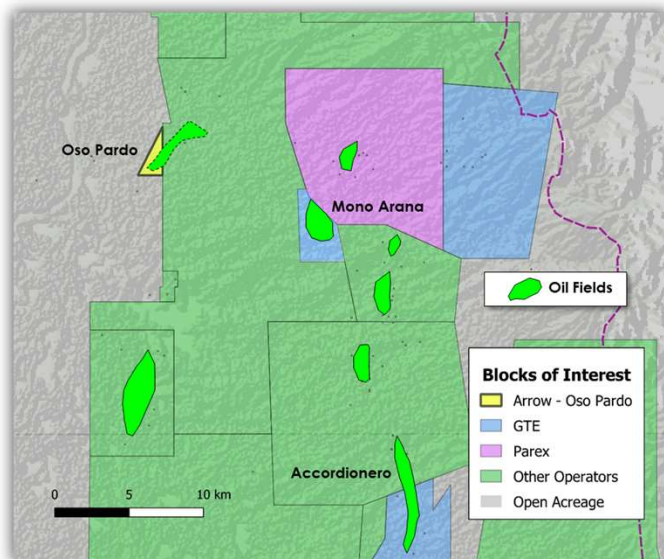
Current Production

Oso Pardo Field (100% W.I.)

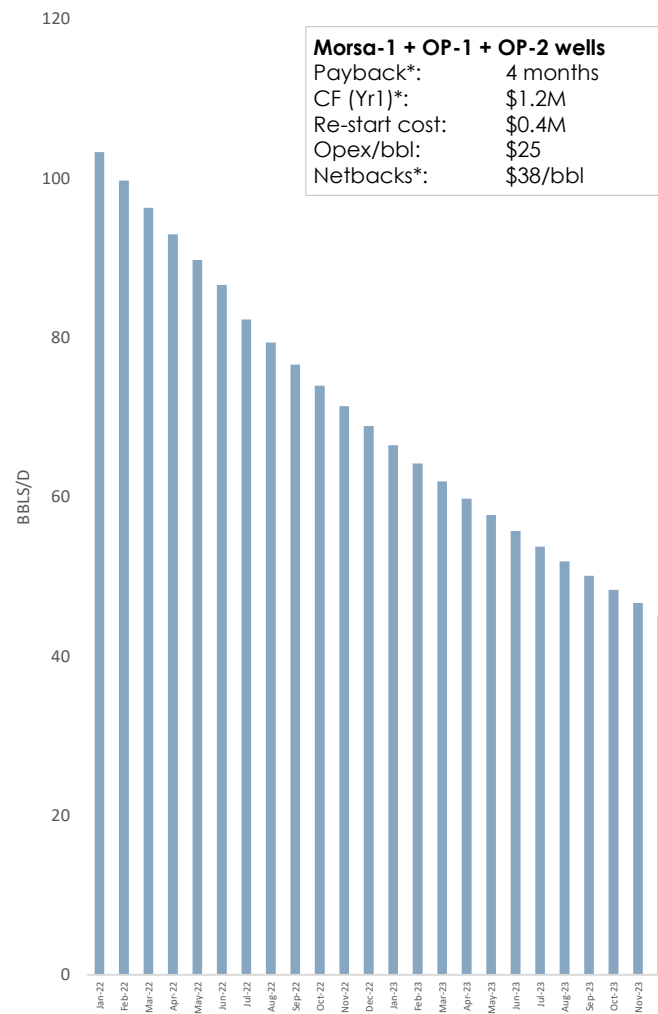
Overview

- Discovered in 2013 by Canacol; discovery well (Oso Pardo-1) had an IP of 200 bbls/d from stacked sands of the Umir formation
- 2 appraisal wells drilled in 2014; 150 ft proven oil column to Lowest Known Oil (LKO)
- Accordionero (2P reserves of 66 MMbbls; current production of 16,000 boe/d) located 25 km to SE
- Arrow's Morsa-1 well re-started in June 2021 at 392 bbls/d; OP-1 and OP-2 wells re-started in July 2021 at 61 bbls/d combined
- Independent study by Gaffney, Cline & Associates supports a much larger field area than originally interpreted by Canacol
- Covered by 3D seismic – exclusive to Arrow
- Request to extend Oso Pardo Production License will be formally submitted to ANH once relinquishment of adjacent VMM-2 license is approved

Location | Map



Oso Pardo Potential Production



Future Opportunity Not Factored Into Production Forecast

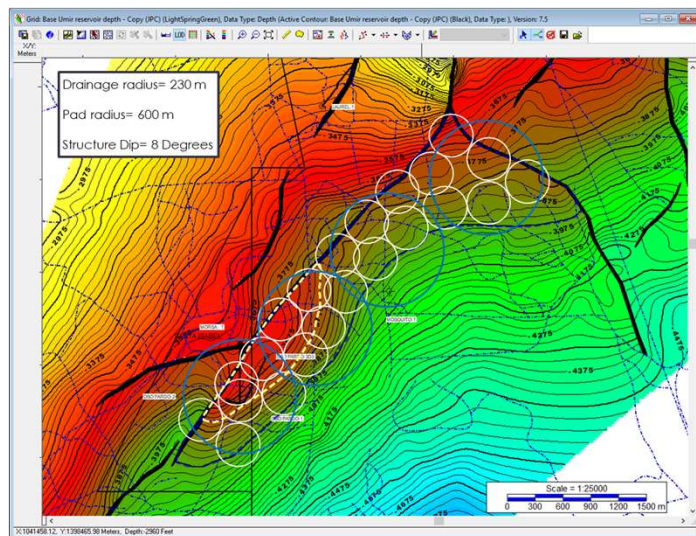
Oso Pardo Extension (100% W.I.)

Overview

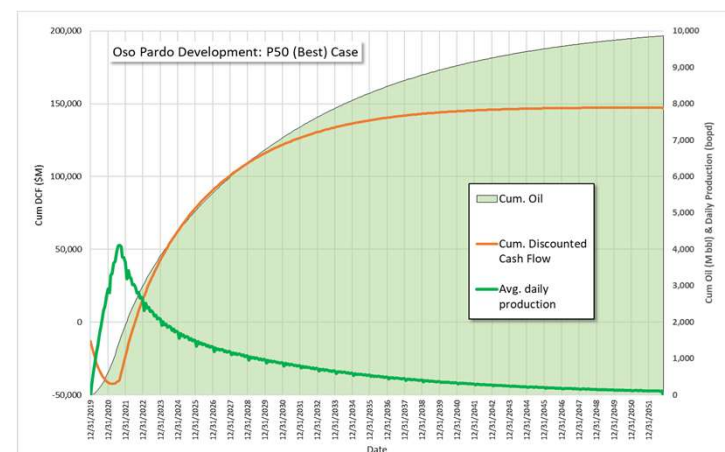
- Gaffney, Cline & Associates reserve study* snapshot:

GCA Cases	Oil EUR/well (Mbbbl)	Capex (\$M)	Pre-Tax NPV10% (\$M)
Low	343	\$65.5	\$24.9
Best	480	\$122.7	\$146.5
High	705	\$251.1	\$547.8

Potential Field Development Configuration



Oso Pardo Extension Potential Production Profile*



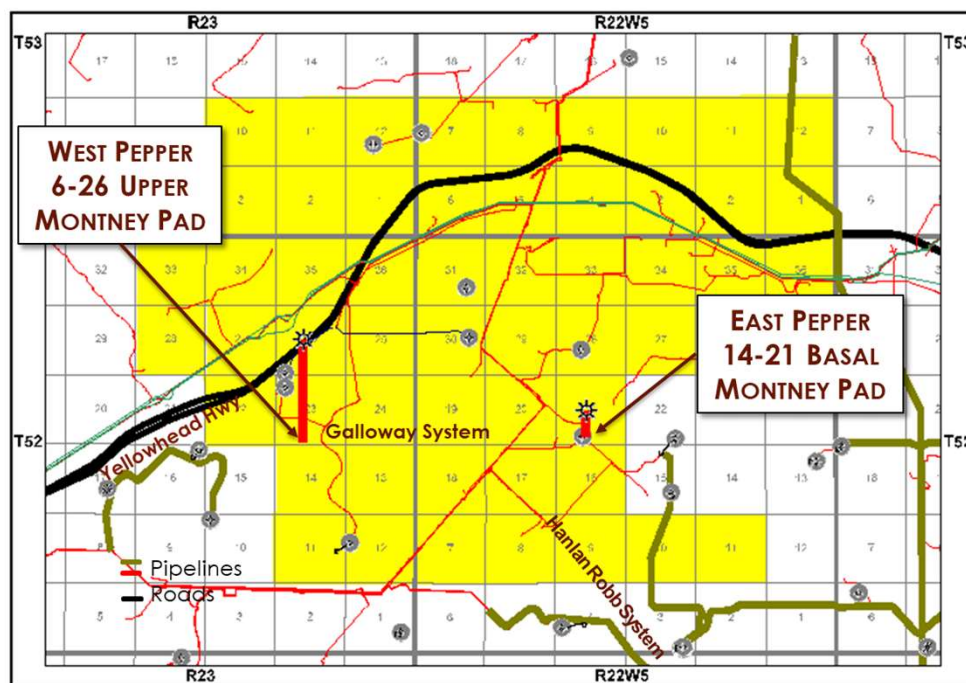
- Leveraging off the company's existing Oso Pardo development
- The majority of VMM-2 is in the process of being relinquished
- Arrow is applying for an extension to its existing license to cover the entire potential Oso Pardo development; Canacol has agreed to assist Arrow with obtaining the extension
- Based on P50 development size of 20 wells, Oso Pardo could contain 9.6MMbbls gross
- Potential capex of \$2.6M per well, ex. well-pad*
- Overall development has been modelled by Gaffney Cline as reaching as much as 4,000 bbls/d, gross, in the P50 case*
- Opportunity for Arrow to develop at 100%

Current & Future Production Canadian Montney Assets

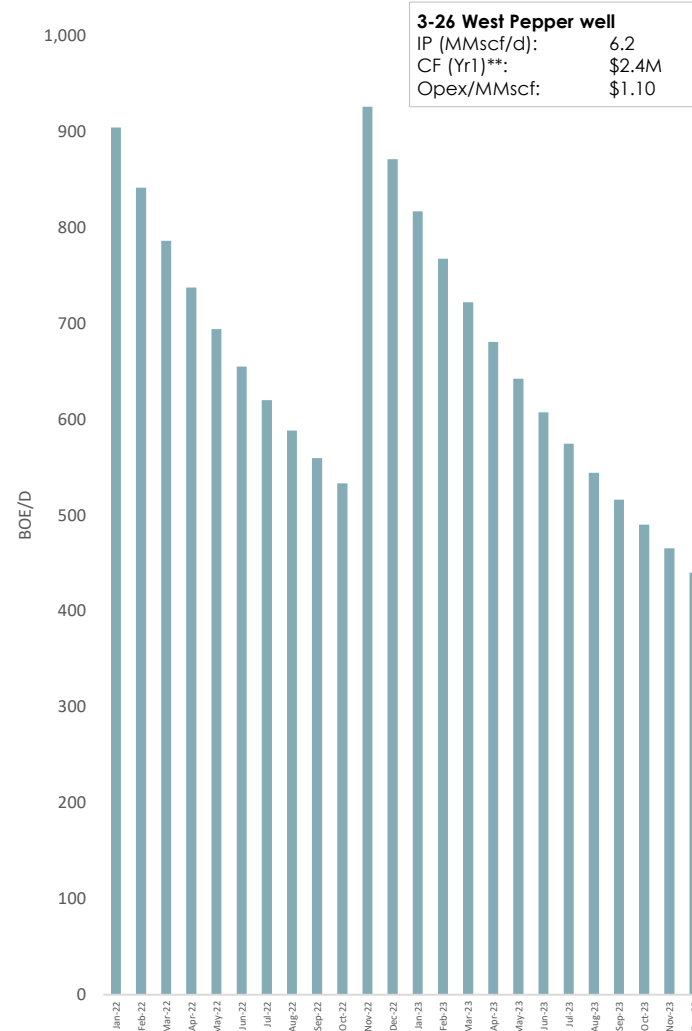
Overview

- Low-risk, low-cost, behind-pipe natural gas discovery; production in a rising gas price environment in Alberta, Canada
- Arrow tied-in the 3-26 West Pepper Montney well in December 2021 at a cost of \$1.3 million, adding initial production of 1,030+ boe/d (exceeded expectations by 13%); option to tie-in of East Pepper Montney well
- 1.8 Tcf of Gas Initially-in-Place in Arrow's Montney play*
- Opportunity to monetize Canadian assets as M&A activity is robust

Location | Map



Canadian Potential Production (Fir + W. Pepper + E. Pepper)

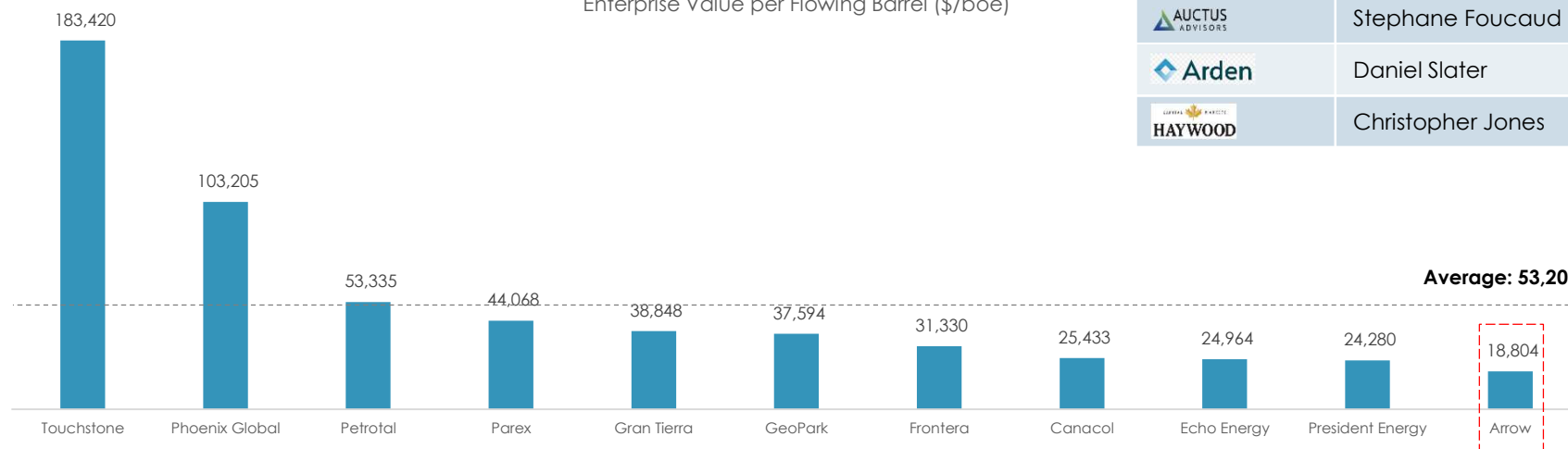


Attractive Valuation

Enterprise Value per Flowing Barrel (\$/boe)

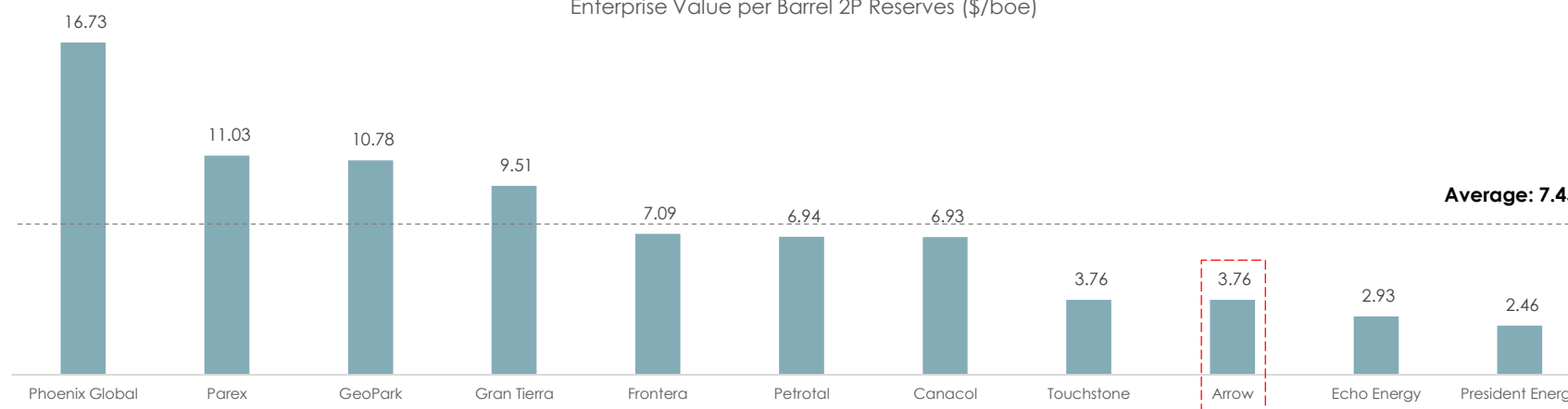
Firm	Analyst Name
 AUCTUS ADVISORS	Stephane Foucaud
 Arden	Daniel Slater
 HAYWOOD	Christopher Jones

Average: 53,207



Enterprise Value per Barrel 2P Reserves (\$/boe)

Average: 7.45

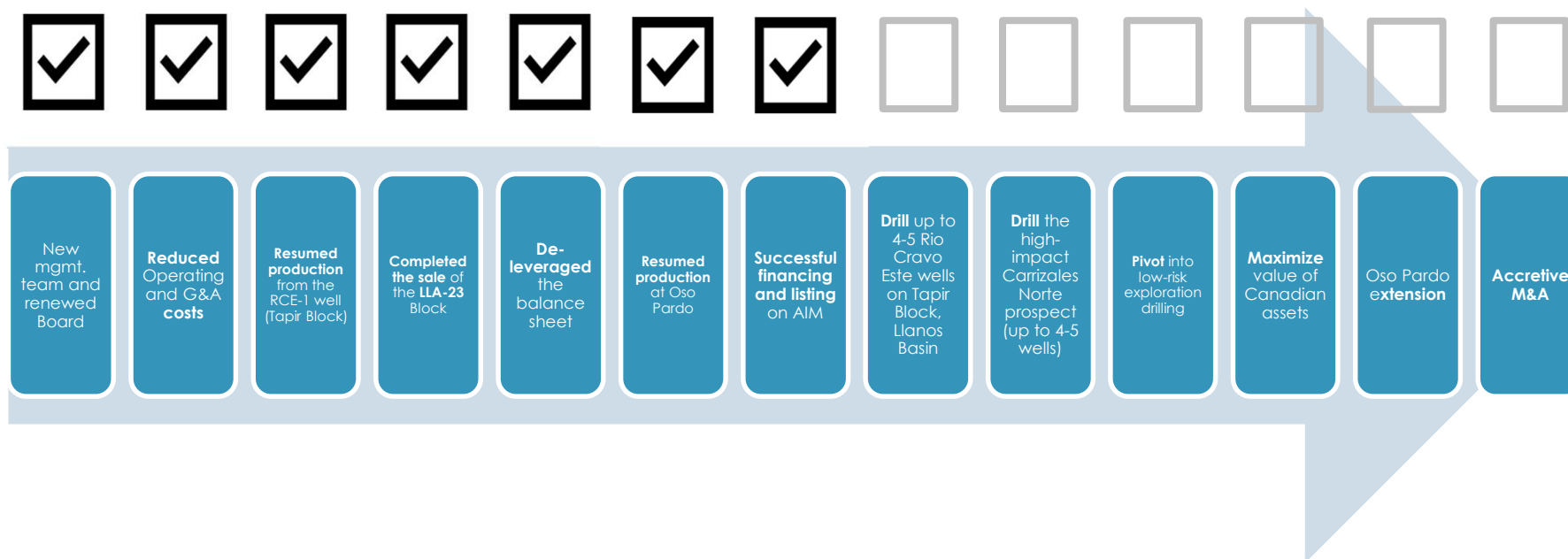


ESG In Action

Community Program: Aguachica (Communities of Loma de Corredor and La Ye Village)



Clear Path to Value Creation



Underpinned By **A Commitment to ESG Best Practices**

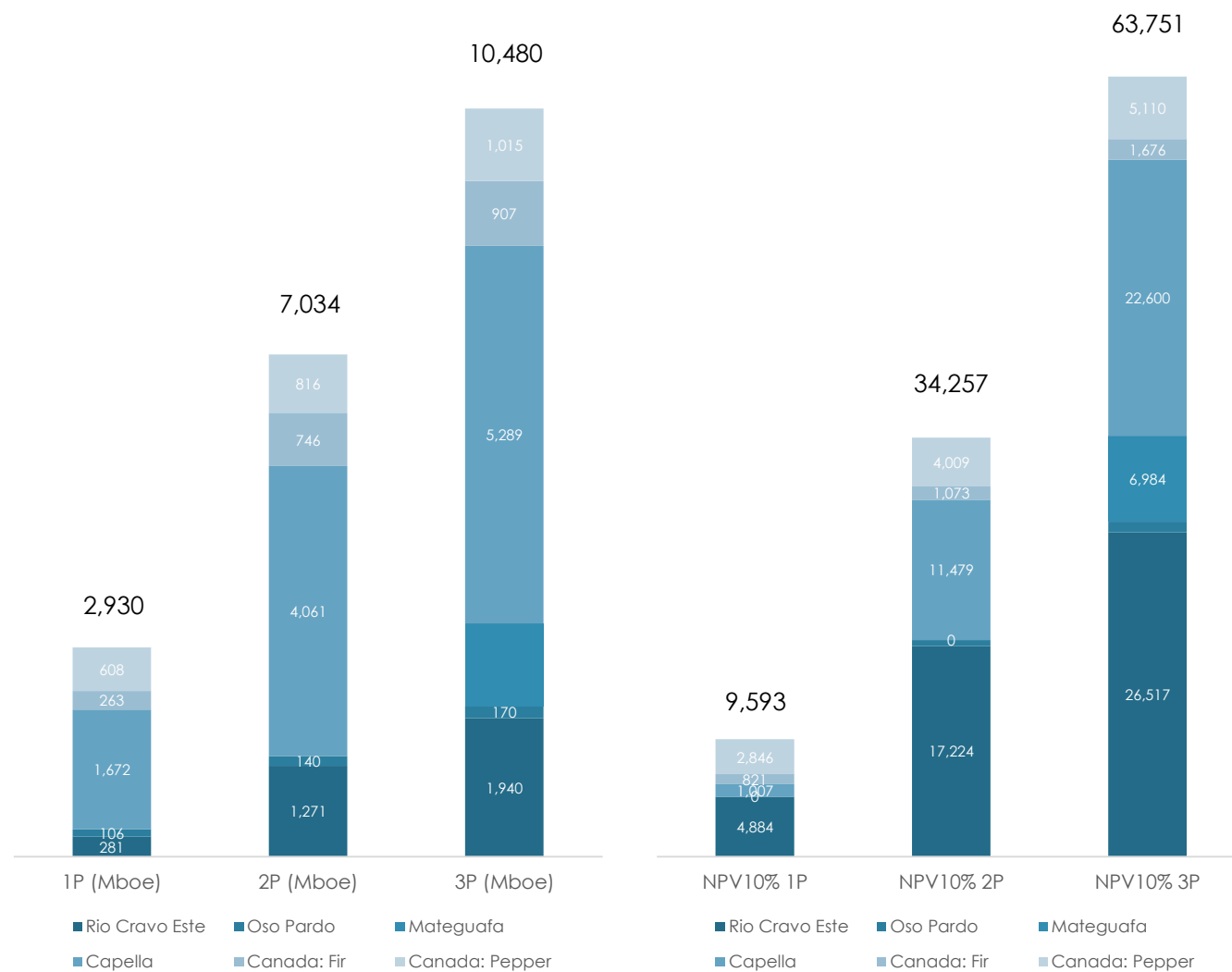


APPENDIX

2020 Year-End Reserves

12-31-2020 Price Deck

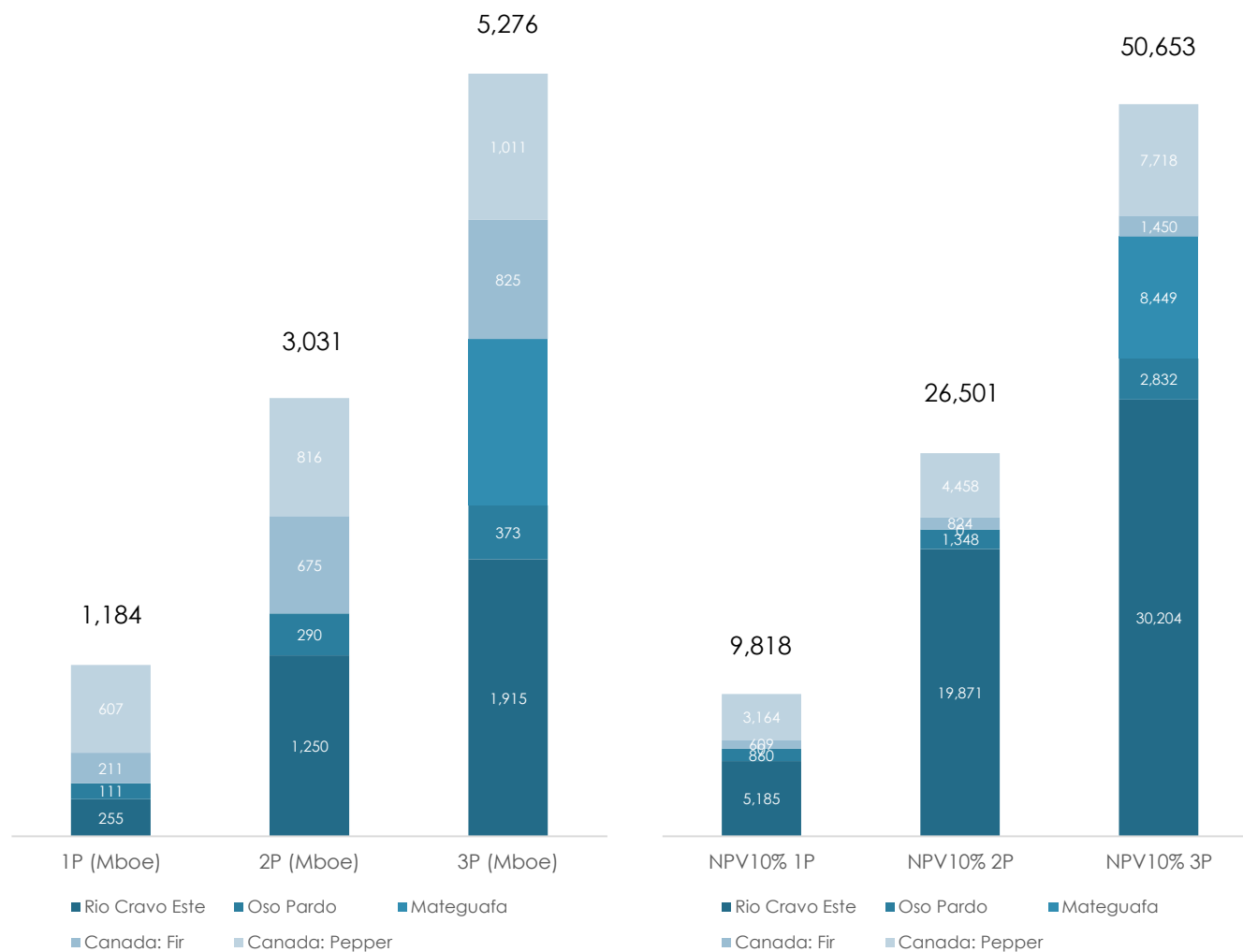
Year	\$/bbl Brent
2021	\$50.00
2022	\$54.00
2023	\$57.00
2024	\$60.00
2025	\$62.00
2026	\$64.00
2027	\$65.00
2028	\$66.00
2029	\$68.00
2030	\$69.20
2031	\$70.60
2032	\$72.00
2032+	2%



2020 Reserves (Ex-Interest in Capella Field)

5-31-2021 Price Deck

Year	\$/bbl Brent
2021	\$65.00
2022	\$63.50
2023	\$61.00
2024	\$62.04
2025	\$63.58
2026	\$64.62
2027	\$66.17
2028	\$67.49
2029	\$68.84
2030	\$70.22
2031	\$71.62
2032	\$73.06
2032+	2%



Management Achievements Since Taking Over in April 2020

Management accepted below-market cash salaries to turn around the Company; non-executive compensation also limited.

Stabilized the Company

Terminated an onerous off-take contract at no cost

Reduced excessive staff count in Colombia by nearly 70%

Completed the sale of the non-core, higher-cost LLA-23 Block for \$12 million to COG Energy (a Carlyle Group company)

Reduced annual G&A costs by over 40%, from \$7.2 million in 2019 to \$4.3 million in 2020

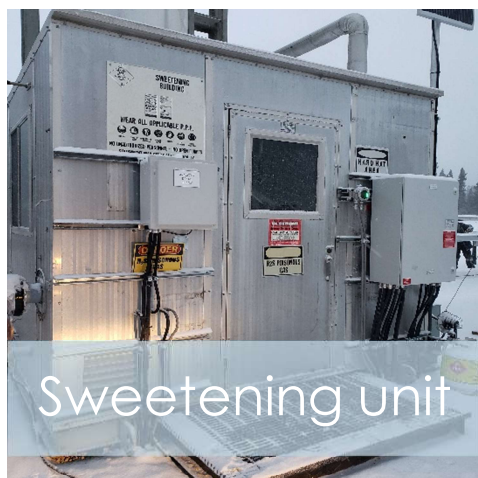
Re-built the Company's relationship with Petrolco (50% partner on the Tapir Block) and re-started production from RCE-1 well

Negotiated discounts of \$1.2 million on Accounts Payable incurred by prior management; obtained \$2.3 million in forgiveness of interest and pipeline-related charges

Raised £8.8m/\$12m via a placing and admission to AIM in October 2021

West Pepper Well

December 2021 Tie-In



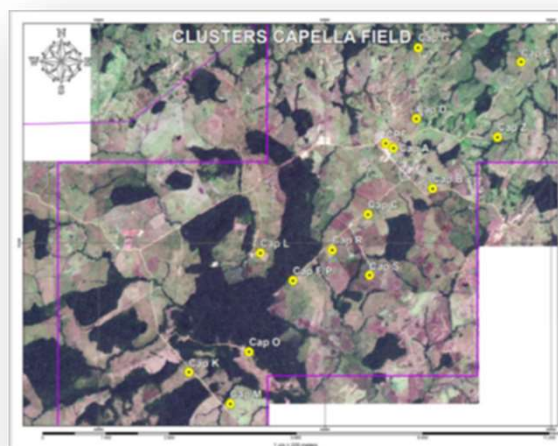
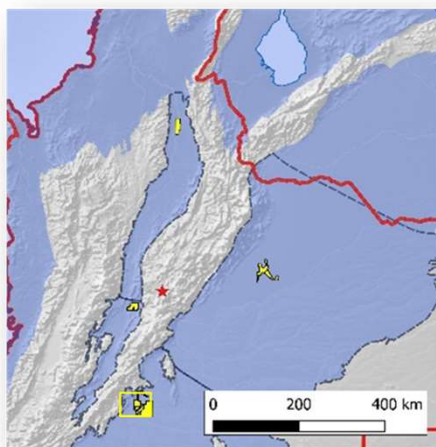
Non-Operated Production

Ombu Block (10% W.I.)

Overview

- 10% working interest in the Ombu Block which contains the Capella discovery, the largest oil discovery in Colombia in the past 20+ years
- Emerald Energy (Sinochem) is the operator
- 2020 Year-End Arrow 2P reserves of 4.0 MMbbls of 8–11 degree API heavy crude oil
- Production re-started in March 2021, interrupted by roadblocks, and re-started again in June 2021; high break-even oil price
- Estimated production of ~ 190 bbls/d, net to Arrow (as of January 2022)
- Arrow's corporate philosophy is to have high working interests and operatorship; opportunity to exit this non-core asset, including extinguishment of all past, present, and future liabilities, would result in uplift to corporate netbacks, strengthened balance sheet

Location | Map

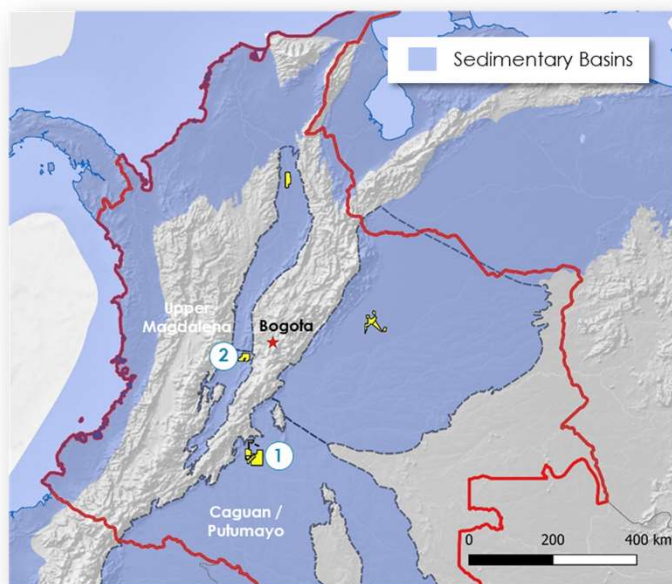


Additional Colombian Assets

Overview

Asset	Net Acres	Basin	W.I.	Status	Operator
1. Los Picachos / Macaya	93,009	Caguan/ Putumayo	38%	<i>Force Majeure</i>	Hupecol
2. COR-39	95,111	Upper Magdalena	100%	Suspended	Arrow

Location | Map



Committed to ESG Best Practices

Environment

Committed to limiting our impact on the climate, air, land and water by adhering to the highest standards of industry operating practices; support principles included in the UN's Sustainable Development Goals.

Community Involvement

Develop community partnerships based on collaboration and understanding the community's needs; encourage the contribution to communities by our employees, by ensuring opportunities to give and volunteer.

Stakeholder Engagement

Build positive relationships with stakeholders through communication based on honesty, transparency, proactivity, trust and respect.

People

Health and safety of all workers involved in our activities, as well as residents of the communities where we work, is a core value at Arrow; treat staff members with dignity, fairness and respect; follow applicable occupational health and safety legislation and industry recommended practices; support principles of the Universal Declaration of Human Rights.

Leadership & Governance

Arrow's Board is responsible for the governance of the Company's ESG commitments; the leadership team is accountable for implementing the ESG commitments; expectations communicated to the Company's workforce and contractors.

Corporate Information

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