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Arrow Exploration

Growing & Socially-Responsible Colombia-Focused Energy Company



Boury GEC December 31st, 2024 Reserve Report (NPV 10%)

Corporate Snapshot





Enterprise Value = Market Cap plus Debt minus Cash

Boury GEC December 31st, 2024 Reserve Report. Arrow's 50% interest in the Tapir block is contingent on the assignment by Ecopetrol of such interest to Arrow.



2025 Budget¹

Funded through cash balance and operations cash flow. No external funding sources required.

23 Wells being drilled in 2025 \$50 million Capital Program Focus on Production

Alberta Llanos Development

- Continuation of CN fault
- HZ well development

RCE Development

4 additional development wells 2025

CN Development

4 additional development wells 2025

Exploration

 Low Risk Exploration at Mateguafa Attic, Mateguafa Oueste, Capullo,

Infrastructure

- Pipeline from the pad CN to RCE pad
- Road from CN pad to C, MO and MA pads
- Water disposal infrastructure
- 90 square kilometer 3D seismic program

→ High Growth Development









2025







Seasoned Leadership and Board of Directors



Collectively we have proven success

Historical Success (8X Proven Executers)

| | Company | Area | Production at Exit (boe/d) | Return to Shareholder (CAGR) | |
|---|---------------------|-----------|----------------------------------|------------------------------------|--|
| , | Cougar Hydrocarbons | Canada | 3,000 | 280% | |
| | Equatorial Energy | Indonesia | 13,000 | 150% | |
| | Sabretooth Energy | Canada | 1,700 | 100% | |

15+O&G jurisdictions worked in

190+ years
Combined management experience

Board of Directors



CEO & Director 2,4



Executive Chair 1,3









* Denotes Chair (I) Independent

1. Audit Committee

2. Compensation Committee

3. Environment, Social & Governance Committee

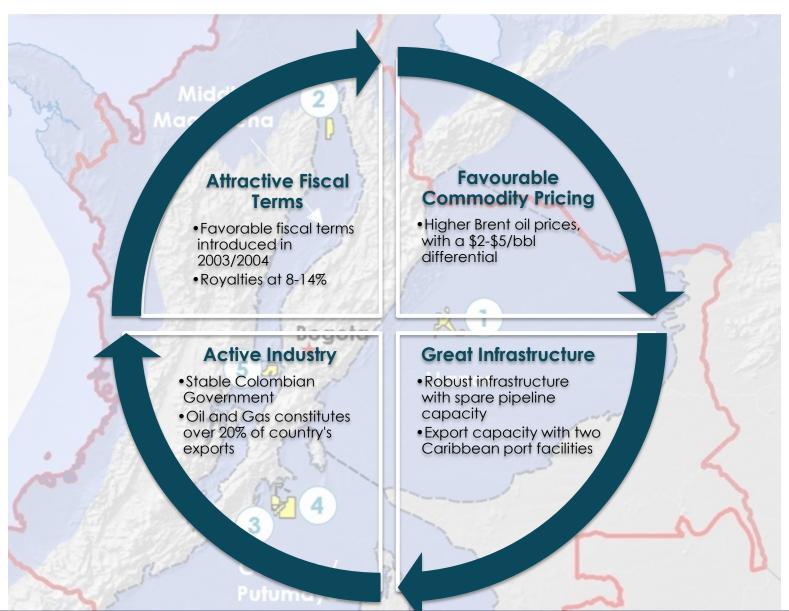
4. Reserves Committee



Colombian Oil & Gas Industry

ARROW EXPLORATION

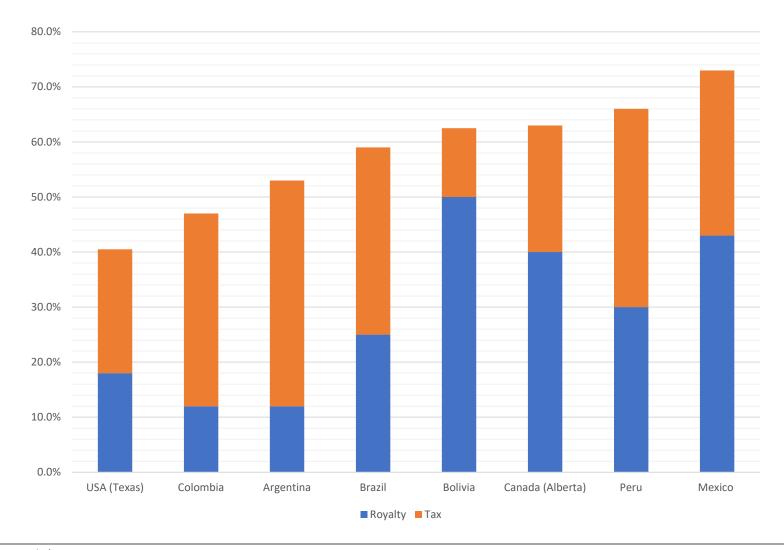
Key Takeaways





Attractive Fiscal Terms¹

Still top decile fiscal regime worldwide.



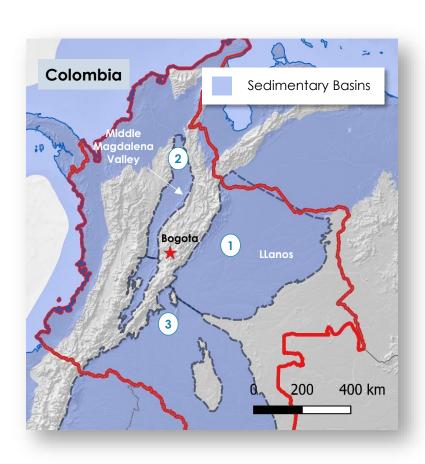
1. Company analysis



Asset Overview

| | Asset | Country | Basin | W.I. | Current Production (boe/d, net) | Operator |
|-------------|------------------------|---------------------------|-------------------------|----------------------------|---------------------------------------|----------------------|
| Core Assets | 1. Tapir | Colombia | Llanos | 50 % ⁽¹⁾ | 4,200 | Arrow ⁽¹⁾ |
| Ŭ | 2. Oso Pardo | Colombia | MMV | 100% | 200 | Arrow |
| | 3. Ombu * Expect 28 | Colombia 30 Boe/d once | Putumayo back online | 10% | 0* | Emerald |
| | 4. Alberta | Canada | WCSB | 100% | 100 | Arrow & other |
| | Total Production | | | | 4,500+ | |

By way of a private commercial contract with the recognized interest holder before Ecopetrol S.A., Arrow is entitled to receive 50% of the production from the Tapir block.



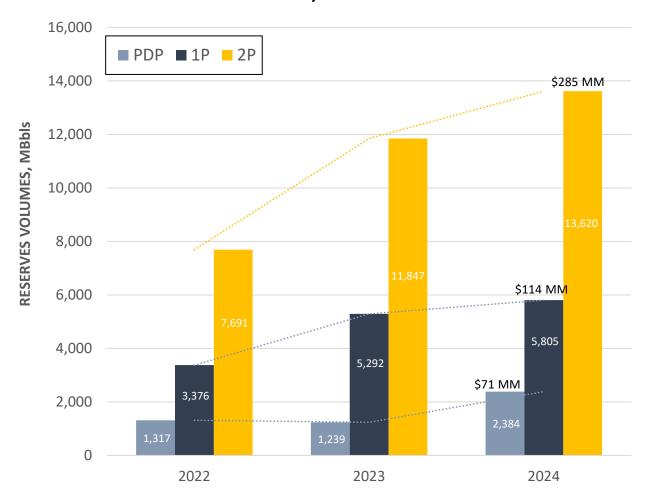




2024 Update available March 2025 Forecast Price Deck

| YEAR | YE 2024 \$/bbl Brent (1) | | |
|-------|-----------------------------|--|--|
| 2025 | 76.50 | | |
| 2026 | 78.50 | | |
| 2027 | 80.00 | | |
| 2028 | 81.50 | | |
| 2029 | 83.50 | | |
| 2030 | 85.17 | | |
| 2031 | 86.87 | | |
| 2032 | 88.61 | | |
| 2033 | 90.38 | | |
| 2034 | 92.19 | | |
| 2034+ | 2% per year | | |

HISTORICAL PDP, 1P AND 2P VOLUMES



Boury GEC December 31st, 2023 Reserve Report

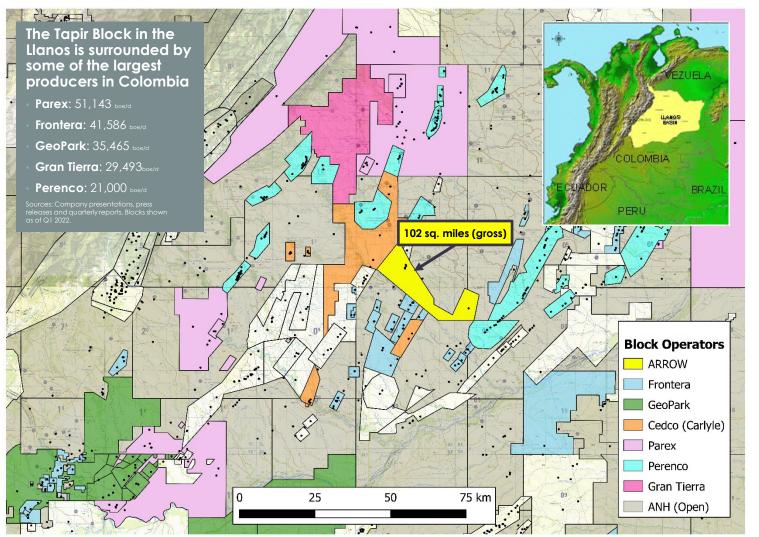


Colombian Oil Portfolio Llanos Basin



Llanos Basin

The 'Park Avenue' of Colombia's Oil Industry – Safe, Secure and Highly-Desirable





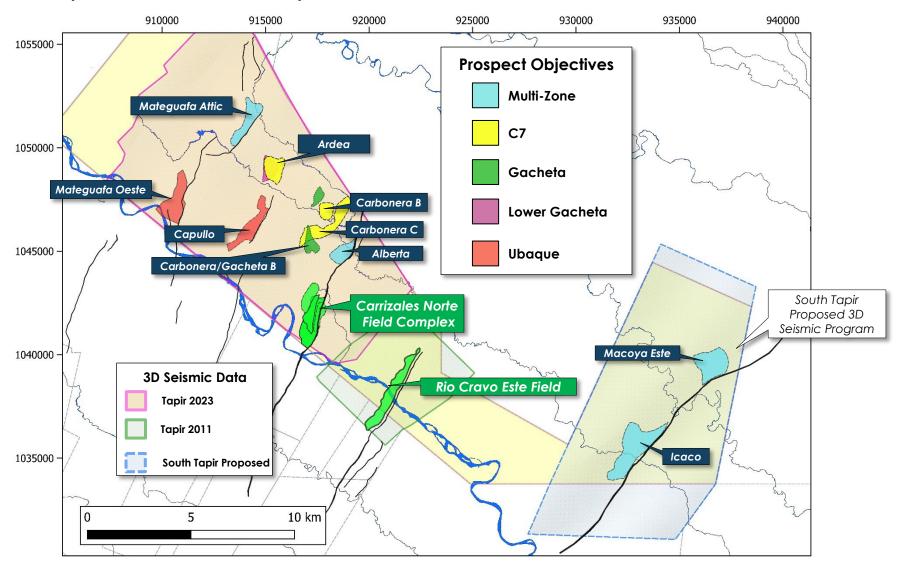




- Largely flat-lying areas with little vertical relief
- Year-round production (rainy season April-November)
- 80+ year history of hydrocarbon production
- Strong community support

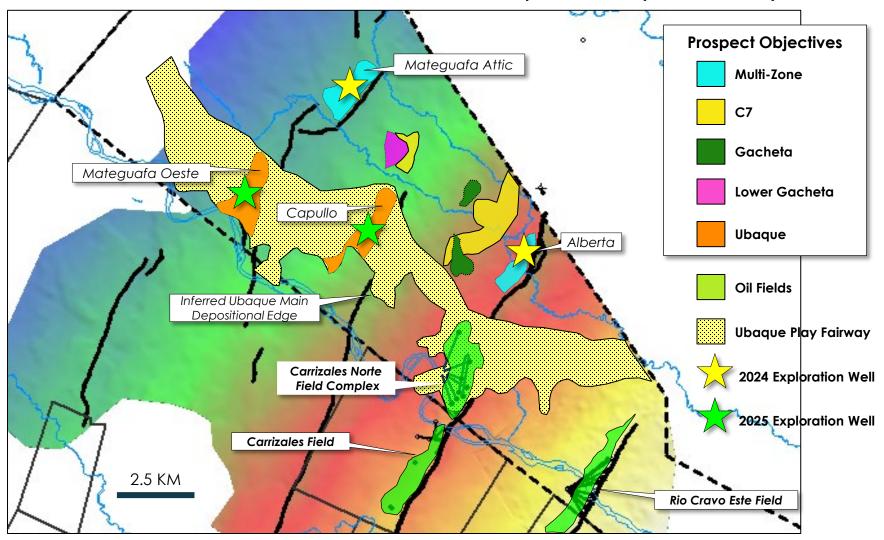


Tapir Block: Prospects & Leads





New 3D Data Reveals North Tapir Prospectivity





Current & Future Production Tapir Block (50% W.I.)(1)

Overview

Rio Cravo Este (RCE)

- 8 producing wells
- Additional drilling targets and recompletion opportunities
- Water disposal well capable of 20,000 bwpd

2. Carrizales Norte

- 7 producing vertical wells, 4 HZ producing wells
- · CN-5 proved up stratigraphic trap in Ubaque
- Water disposal well licensed to <u>30,500 bwpd</u>
- Additional HZ development in 2025

3. Alberta Llanos

- Discovery December 2024
- Multi Zone, 2 wells currently producing from the Ubaque
- HZ development

Water disposal capacity 60,000 bwpd

Adequate water disposal capacity for current development plans







| VERTICAL TYPE WELL | | | | |
|------------------------|-----------------|--|--|--|
| IP Forecast (per zone) | 301 bbl/d, net | | | |
| Payback | 4 Months | | | |
| CF (Yr 1) | 3.3 M US\$, net | | | |
| Well Cost | 1.6 M US\$, net | | | |
| Opex / bbl | 9.9 US\$/bbl | | | |

| HORIZONTAL TYPE WELL | | | | |
|------------------------|------------------|--|--|--|
| IP Forecast (per zone) | 1,047 bbl/d, net | | | |
| Payback | 2 Months | | | |
| CF (Yr 1) | 9.0 M US\$, net | | | |
| Well Cost | 2.7 M US\$, net | | | |
| Opex / bbl | 5.7 US\$/bbl | | | |

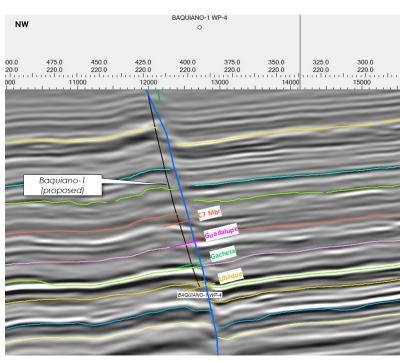
Well costs improving with every well drilled

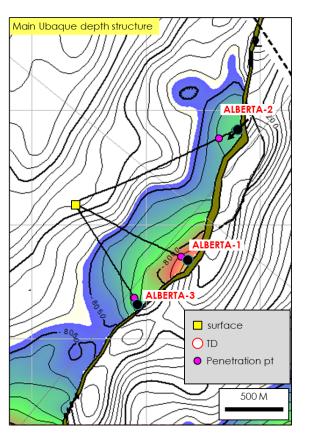


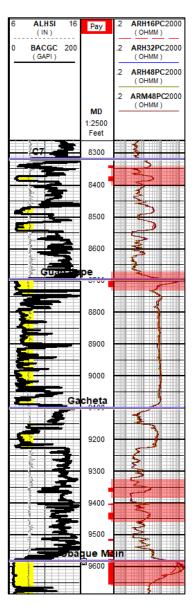


Alberta* Llanos Discovery

- Typical Llanos Basin prospect: three-way structural closure against a fault
- Multiple zone discovery: C7, Guadalupe, Gacheta, & Ubaque → 121 feet (Hydrocarbon bearing reservoir)
- Located approximately 3.5 km northeast of Carrizales Norte discovery on same fault trend



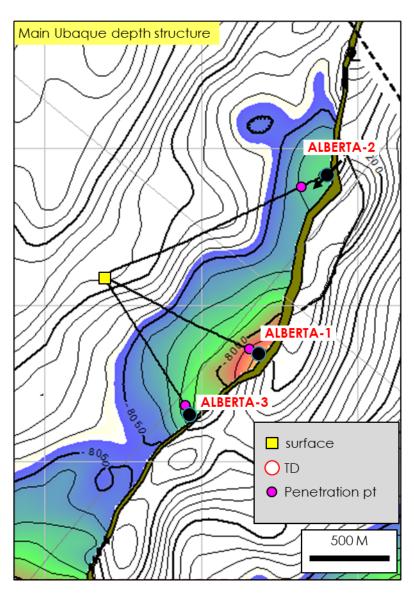


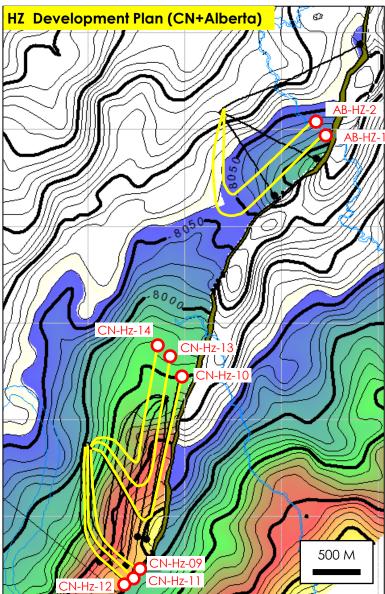


^{*} Formerly Baquiano prospect



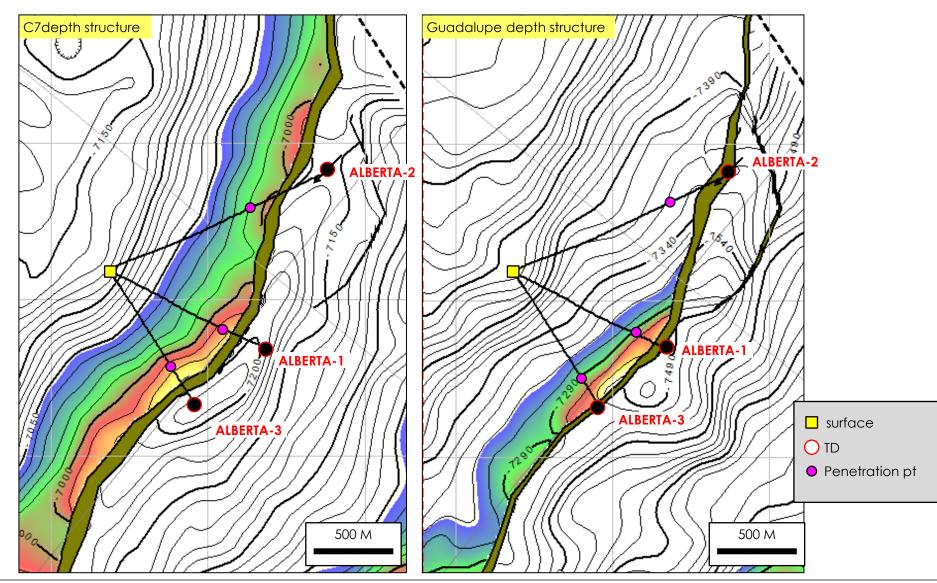
Alberta Llanos Discovery







C7 and Guadalupe depth structure maps

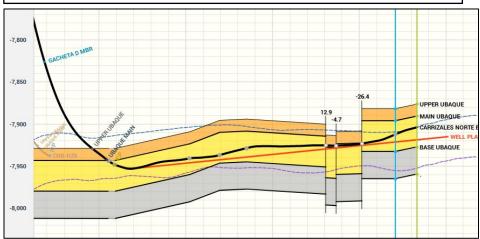


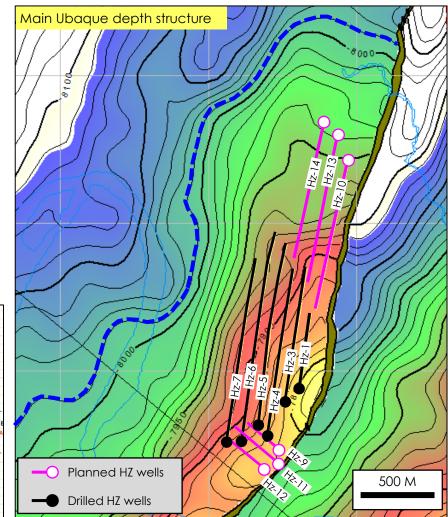




Carrizales Norte: Horizontal Well Program

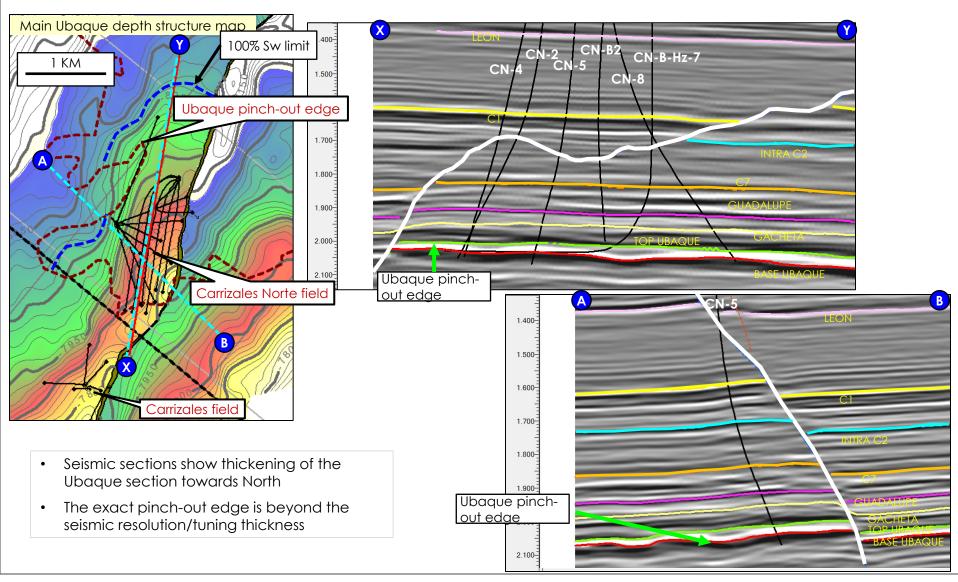
- The first horizontal well was spud on May 14th, 2024. A 622 m horizontal section was drilled within the Main Ubaque reservoir. The well was brought on production on June 15, 2024 and initial production was over 3,000 bbl/d gross (1,500 net) oil
- Five additional horizontal wells have been put on production, all with similar production rates
- The Ubaque reservoir encountered at Carrizales Norte is material: up to 80 feet of stacked shoreface sands with 26-30% porosity and 7-10 Darcies permeability
- Low viscosity 13.4° crude and strong water drive allows for recovery factors of 30-35%
- Proven completion technology is being utilized to manage water production, extending the economic life of each well







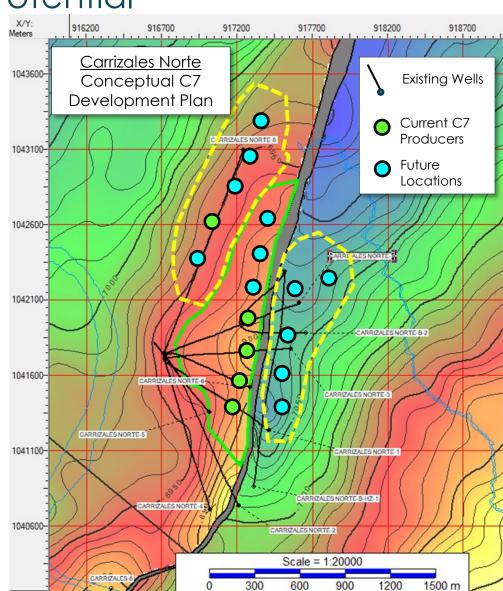
Carrizales Norte field: trap geometry





Carrizales Norte: C7 Potential

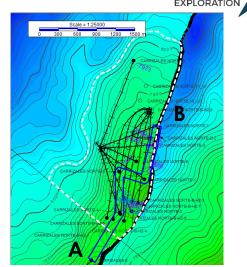
- Reservoirs consist of channelized sand bodies with excellent characteristics – porosity of 28 – 34% and multi-Darcy permeabilities
- Light oil (>30° API) and strong water drive allow for very high initial production rates and quick economic payback (~60 days/well)
- Superior reservoir characteristics and prudent reservoir management results in significantly lower decline rates and higher EUR relative to other C7 wells in the basin
- Recent drilling has revealed two additional C7 pools, both likely to be stratigraphic traps. Confirmation of the extent of these pools will add significant drilling opportunities

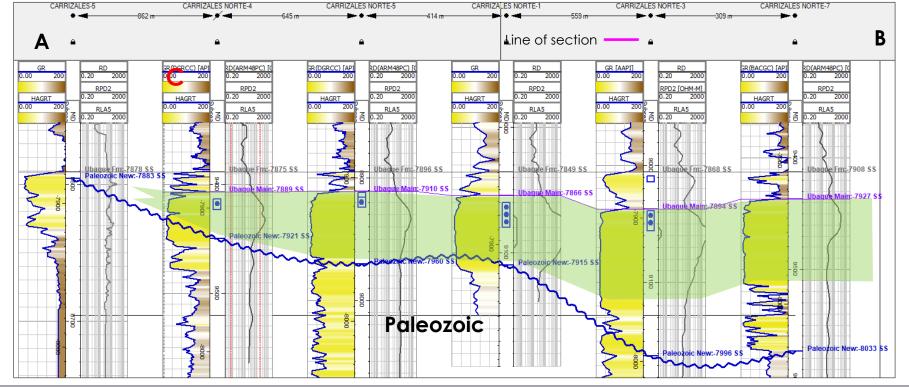


ARROW EXPLORATION

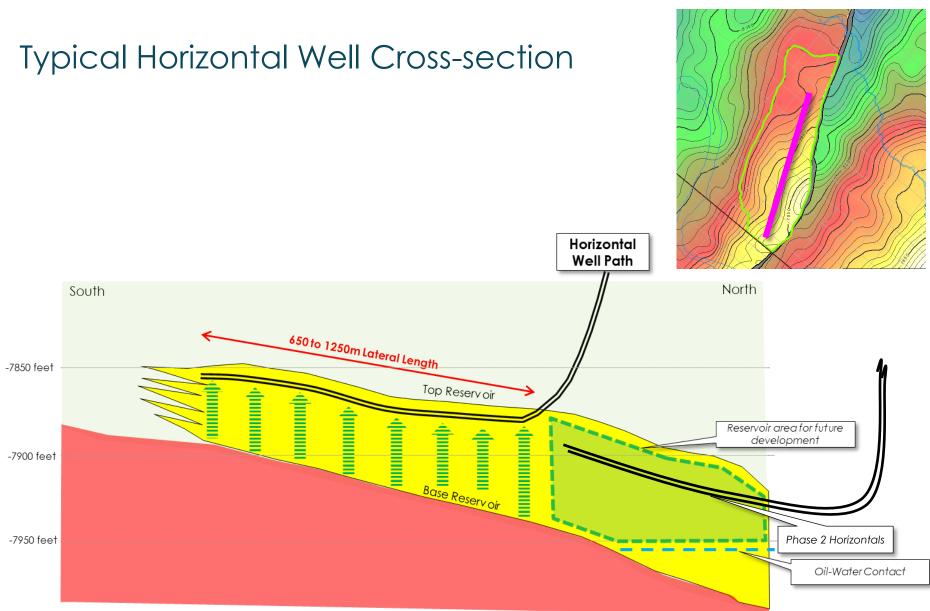
Cross Section Carrizales Norte Field

Stratigraphic Cross Section (Datum= top Ubaque) Shows Main Ubaque truncation to the southwest





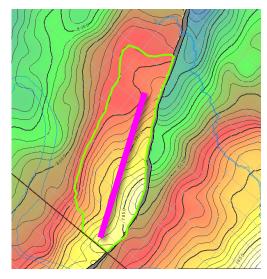


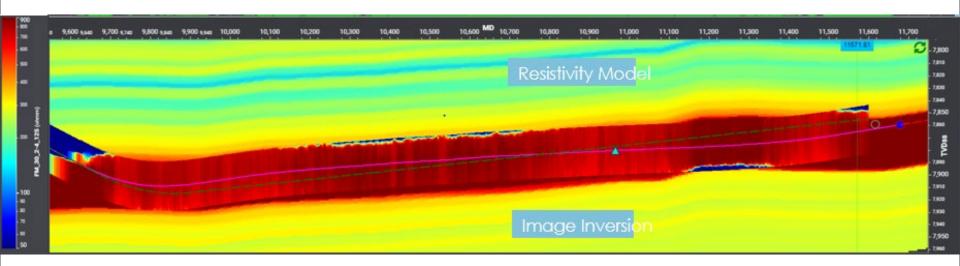




CNB HZ-1 Well Cross-section

CNB HZ-1 drilled 100% in Ubaque zone with advanced sensor technology heretofore unseen in Colombia



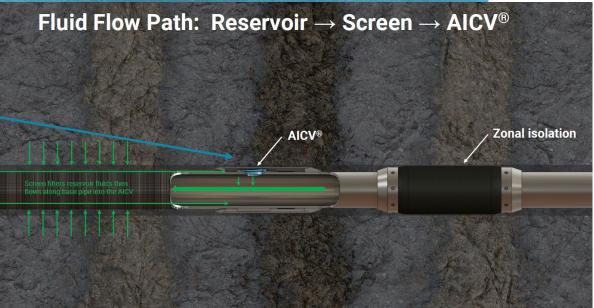




CNB HZ-4,5,6,7 Well AICD Technology

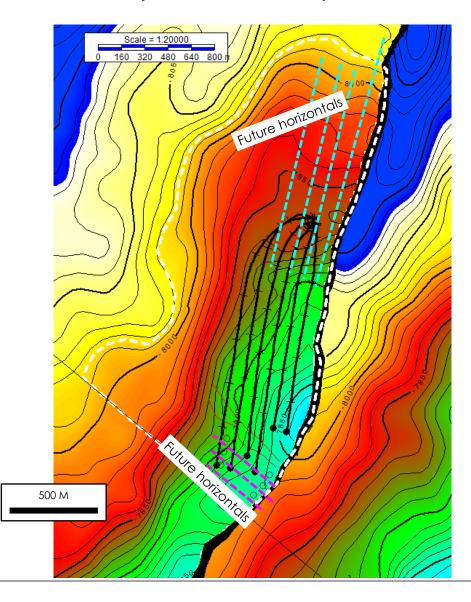






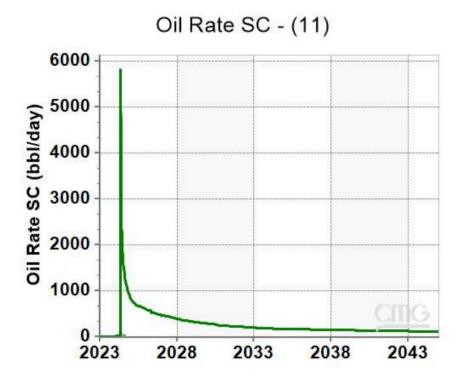


CN Ubaque Development Plan



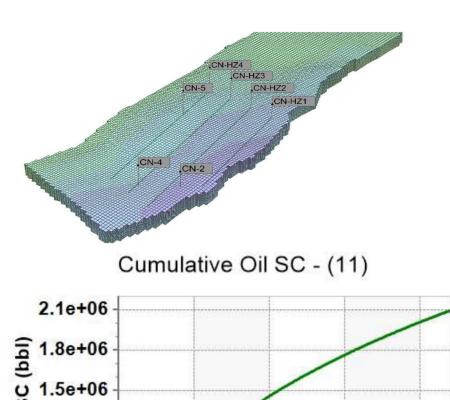


HZ Well Simulation - CMG



CNB HZ-1 is currently flowing at a restricted rate. Based on the simulation the well reservoir characteristics allow for higher production than the well is currently being produced at.

There is no guarantee that simulation production rates of recoveries will be achieved.



1.2e+06

900000

600000

300000

2023

2028

2033

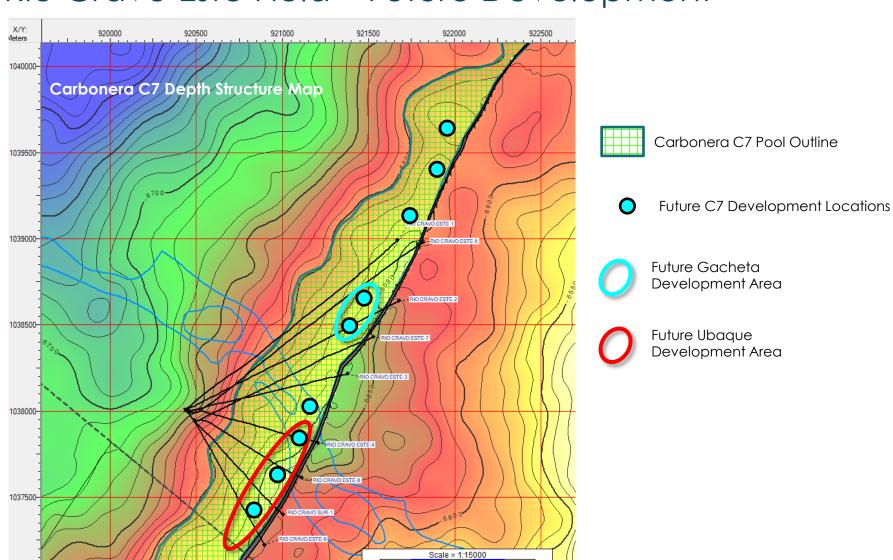
2038

Cumulative

2043

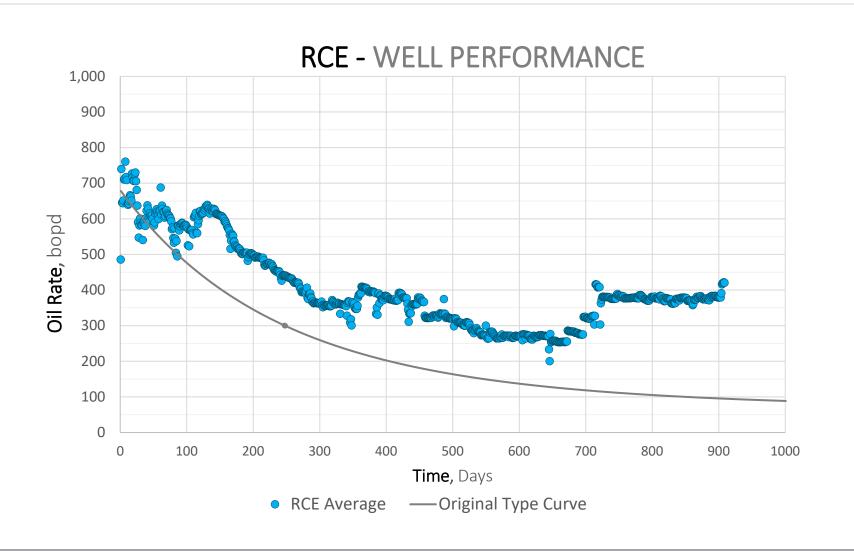


Rio Cravo Este Field – Future Development



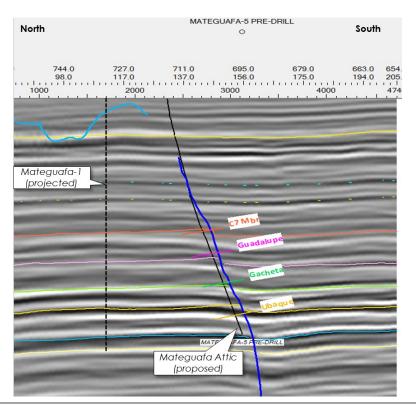


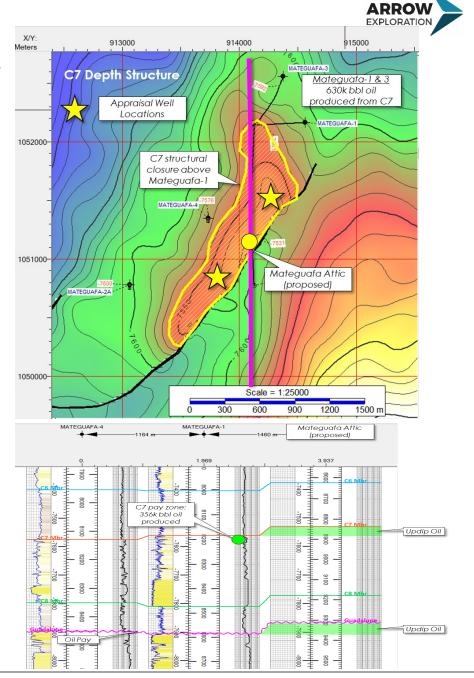
PRODUCTION PERFORMANCE - RCE



Mateguafa Attic Prospect

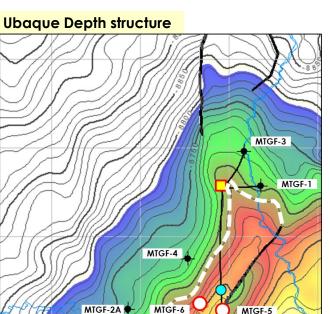
- Mateguafa field discovered in 1998. Four wells were drilled, two produced oil from Carbonera C7 sands (total 630k barrels)
- Original wells drilled on poor quality 2D seismic grid. Recently acquired 3D data shows a different fault configuration and a large area of closure updip from existing wells







Mateguafa Attic prospect (Gacheta & Ubaque potential)



Surface pad

O TD

Penetration pt

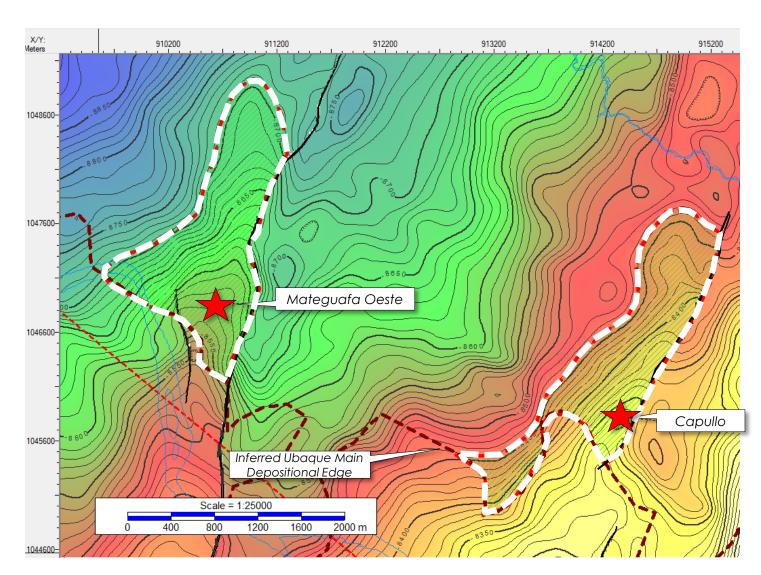
Gacheta Depth structure MTGF-3 MTGF-1 MTGF-4 MTGF-2A MTGF-6 MTGF-5 Surface pad Penetration pt 500 M O ID

- Robust structural closure observed at both Ubaque and Gacheta levels.
- Isochron between top and bottom Ubaque picks suggest thick Ubaque section all across the structure (confirmed by results at Mateguafa-1)
- Mateguafa-1 is the only well that penetrated Gacheta/Ubaque. However, mapping from 3D seismic suggests that the well was drilled downdip of lowest closing contour

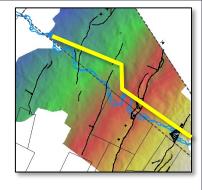


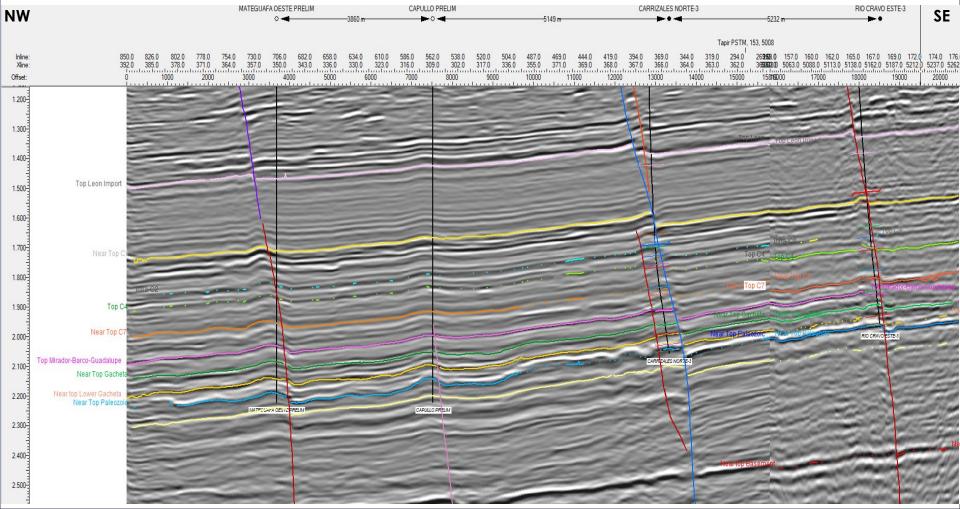
Mateguafa Oeste & Capullo Prospects

- Large prospects enhanced by fault trends
- Truncation of Ubaque Main sands against depositional edge
- Look-alikes to Carrizales Norte Ubaque discovery
- Land acquisition complete, with environmental studies to follow



Regional Seismic Profile

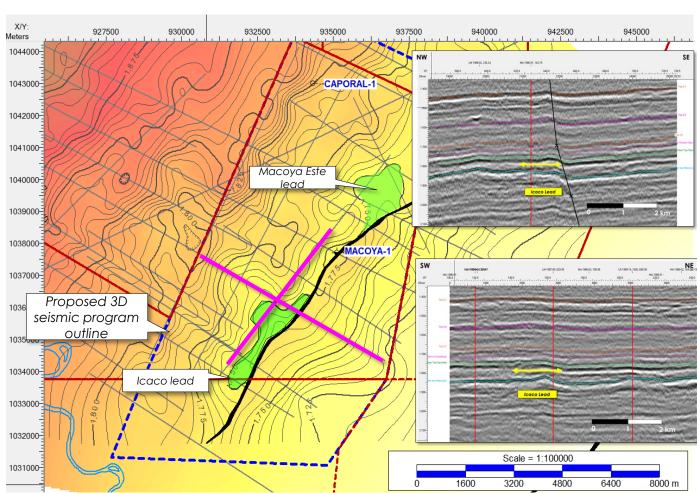






South Tapir Leads

- Southern area of the Tapir block remains very under-explored
- Two wells were drilled in early 1990's on 2D seismic. One of these, Macoya-1, had oil shows despite being located outside of any structural closure
- Two large structural leads have been identified but 3D seismic will be required to mature these to drillable prospects
- Seismic environmental baseline study (MMA) and 3D design were completed in 2023





TAPIR PRODUCTION PERFORMANCE INDICATORS

| | Capital (NET) | Cumulative Oil Production (NET) | Total Profit (NET) | Days on Production @ Dec 31, 2024 | Capital Recovery to Date (%) |
|---------|------------------|---------------------------------------|-----------------------|--------------------------------------|---------------------------------|
| RCE-2 | 2,419,112 | 276,345 | 15,997,583 | 975 | 661% |
| RCE-3 | 2,221,897 | 98,437 | 5,698,525 | 672 | 256% |
| RCE-4 | 2,221,779 | 140,914 | 8,157,498 | 655 | 367% |
| RCE-5 | 1,925,339 | 53,751 | 3,111,640 | 631 | 162% |
| RCE-6 | 2,273,666 | 149,196 | 8,636,933 | 427 | 380% |
| RCE-7 | 2,273,666 | 40,522 | 2,345,822 | 395 | 103% |
| RCE-8 | 1,883,999 | 74,496 | 4,312,564 | 376 | 229% |
| RCS-1 | 2,036,232 | 281,323 | 16,285,782 | 931 | 800% |
| CN-1 | 2,813,873 | 56,762 | 2,901,080 | 589 | 103% |
| CN-2 | 2,236,242 | 102,320 | 4,661,676 | 533 | 208% |
| CN-3 | 2,193,919 | 71,084 | 3,633,103 | 508 | 166% |
| CN-4 | 2,239,231 | 10,723 | 488,540 | 155 | 22% |
| CN-5 | 2,151,254 | 26,456 | 1,205,335 | 309 | 56% |
| CN-6 | 2,151,254 | 19,449 | 994,038 | 297 | 46% |
| CN-7 | 1,504,126 | 18,715 | 956,524 | 271 | 64% |
| CN-8 | 1,547,476 | 20,109 | 1,027,771 | 253 | 66% |
| CNB-HZ1 | 2,963,380 | 163,307 | 7,871,373 | 199 | 266% |
| CNB-HZ3 | 2,523,907 | 116,189 | 5,600,310 | 158 | 222% |
| CNB-HZ4 | 2,674,643 | 84,709 | 4,082,950 | 134 | 153% |
| CNB-HZ5 | 2,660,505 | 65,818 | 3,172,404 | 108 | 119% |
| CNB-HZ6 | 2,968,500 | 43,686 | 2,105,641 | 74 | 71% |
| CNB-HZ7 | 2,949,576 | 13,661 | 658,436 | 37 | 22% |

^{*} Light Oil Net back, \$57.9 US/bbl * Heavy Oil Net back, \$48.2 US/bbl * Cumulative production up to December 31st, 2024

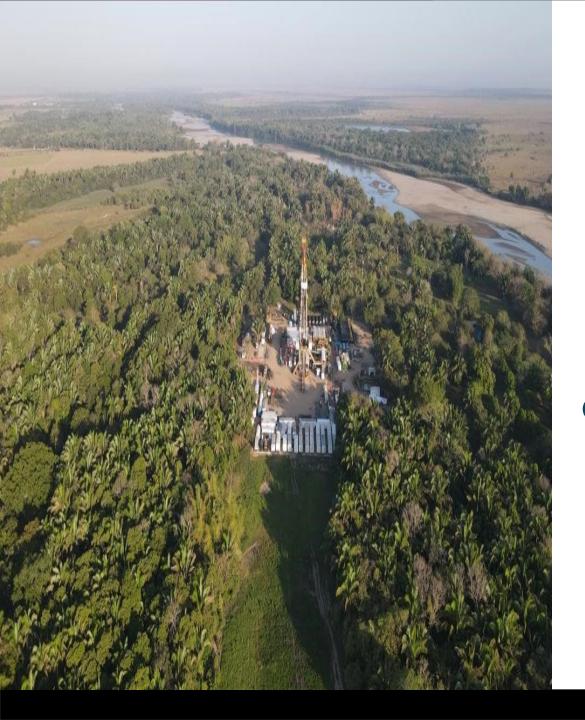
Prospect Matrix – Tapir Block

Large inventory of strong prospects seismic ready (unrisked)

Based on indicative modelling assumptions by management. Actual IP rates and NPVs Will only be determined once Wells have been successfully Drilled and completed

| | COST (NET) | NPV10 (NET) | BREAKEVEN | IP Net |
|----------------|------------|-------------|-----------|--------|
| | MM\$ | MM\$ | MONTHS | BOPD |
| CNB NORTH -HZ1 | 2.30 | 19.48 | 2 | 802 |
| CNB NORTH -HZ2 | 2.30 | 17.31 | 3 | 722 |
| CNB NORTH -HZ3 | 2.30 | 15.31 | 3 | 642 |
| CNB NORTH -HZ4 | 2.30 | 12.95 | 3 | 562 |
| CN-9 | 1.45 | 7.83 | 3 | 321 |
| CN-10 | 1.45 | 7.83 | 3 | 321 |
| CN-11 | 1.45 | 7.83 | 3 | 321 |
| MAT-5 | 1.60 | 6.22 | 5 | 196 |
| MAT-6 | 1.60 | 6.22 | 5 | 196 |
| AB-3 | 1.45 | 6.67 | 4 | 321 |
| RCE-9 | 1.30 | 13.77 | 3 | 341 |
| RCE-10 | 1.30 | 13.77 | 3 | 341 |
| RCE-11 | 1.30 | 13.77 | 3 | 341 |
| RCE-12 | 1.30 | 13.77 | 3 | 341 |
| MAT-OESTE 1 | 1.60 | 6.52 | 4 | 321 |
| MAT-OESTE 2 | 1.60 | 6.52 | 4 | 321 |
| MAT-OESTE 3 | 1.60 | 6.52 | 4 | 321 |
| CAP-1 | 1.60 | 6.52 | 4 | 321 |
| CAP-2 | 1.60 | 6.52 | 4 | 321 |
| CAP-3 | 1.60 | 6.52 | 4 | 321 |
| AB-HZ1 | 2.30 | 23.84 | 2 | 963 |
| AB-HZ2 | 2.30 | 21.23 | 2 | 866 |
| AB-HZ3 | 2.30 | 19.92 | 2 | 818 |
| AB-HZ4 | 2.30 | 18.61 | 2 | 770 |
| MTO-HZ1 | 2.30 | 23.84 | 2 | 963 |
| MTO-HZ2 | 2.30 | 21.23 | 2 | 866 |
| MTO-HZ3 | 2.30 | 19.92 | 2 | 818 |
| MTO-HZ4 | 2.30 | 18.61 | 3 | 770 |
| CAP-HZ1 | 2.30 | 23.84 | 2 | 963 |
| CAP-HZ2 | 2.30 | 21.23 | 2 | 866 |
| CAP-HZ3 | 2.30 | 19.92 | 2 | 818 |
| CAP-HZ4 | 2.30 | 18.61 | 3 | 770 |
| CN-C7-HZ1 | 2.30 | 16.27 | 3 | 642 |
| CN-C7-HZ2 | 2.30 | 16.27 | 3 | 642 |





Colombian Oil Portfolio MMV Basin



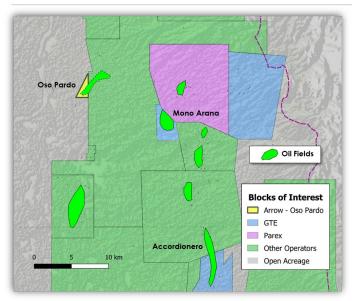
Current Production

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
- 2024 OP-3, OP-4 waiting on stimulation
- Independent study by Gaffney, Cline & Associates supports a much larger field area than originally interpreted by Canacol

Location | Map



- Covered by 3D seismic – exclusive to Arrow
- Request to extend
 Oso Pardo
 Production License
 has been formally
 submitted to the
 ANH.

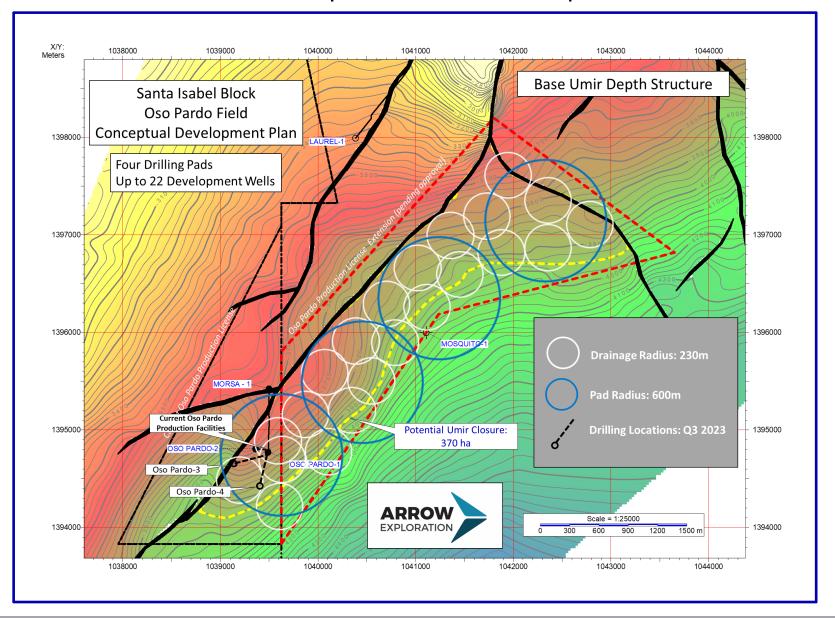
Oso Pardo Site Photos







Oso Pardo Development Concept



Future Opportunity Not Factored Into Production Forecast

Oso Pardo Extension (100% W.I.) Existing block does not require a bid process

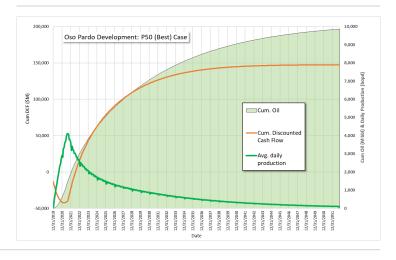


Overview

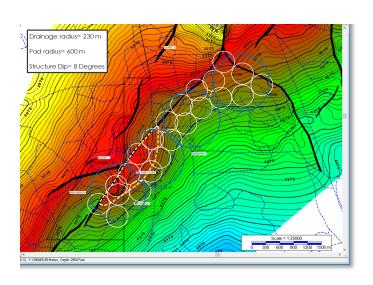
Gaffney, Cline & Associates reserve study* snapshot:

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

Oso Pardo Extension Potential Production Profile*



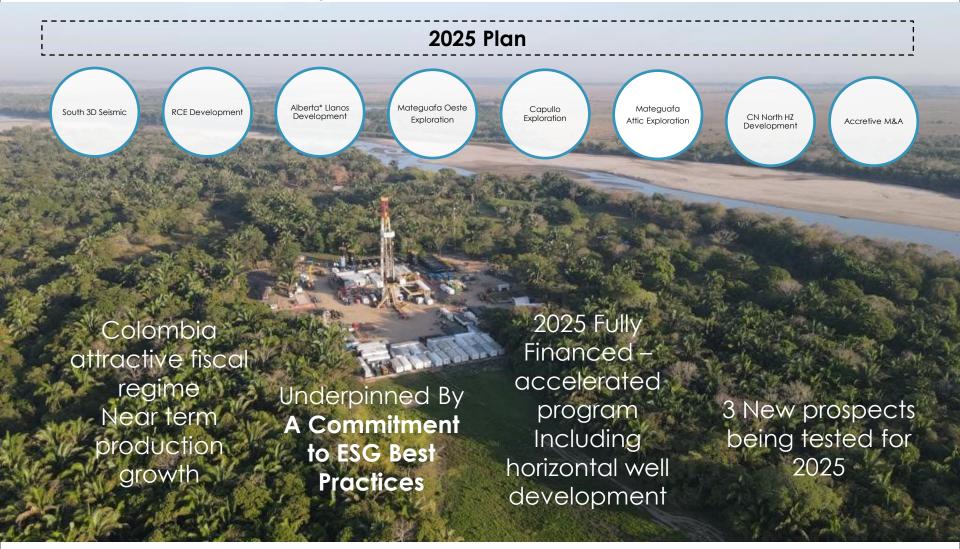
Potential Field Development Configuration



- Leveraging off the company's existing Oso Pardo development
- Arrow has applied 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 9.6MMbls
- Potential capex of \$4.0M per well, ex. well-pad*
- Overall development has been modelled by Gaffney Cline as reaching as much as 4,000 bbls/d, 100% WI, in the P50 case*
- Opportunity for Arrow to develop at 100%



Near Term Catalyst



ESG Overview



We prioritize ESG initiatives to create value for stakeholders, enhance business resilience, and benefit our broader community. Our inaugural **ESG Report** outlines the following focal areas:



Committed to developing and implementing sustainable strategies focused on land preservation, wildlife conservation, water resource management, responsible carbon footprint management, and waste reduction optimization.



Committed to supporting local communities through initiatives in health and safety, diversity, equity, and inclusion, employee development, stakeholder engagement, supply chain management, and community investment.



Committed to upholding rigorous ethical standards and accountability in our business operations, taking purposeful actions to maintain the highest standards in anti-corruption, ethical business practices, governance, data protection, cybersecurity, and risk management.

Community & Stakeholder Engagement



Prioritizes stakeholder collaboration and supporting communities

In the last two years 2023-204 spent +\$700K on social and environmental projects

Employed + 2,000 Colombian over 6+ years Spent + \$6M with local companies



Road maintenance



School activities



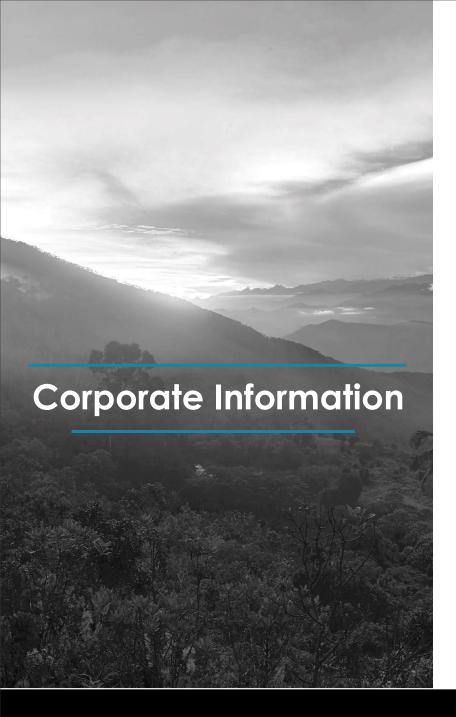
New children's park



Structural reinforcement



Recreation - Children's activities





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Zeus Capital