



Corporate Presentation

March 2025

NASDAQ: PROP
prairieopco.com

Disclaimer



Forward-Looking Statements

This presentation contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. All statements, other than statements of historical fact, included in this presentation regarding the strategy, future operations, financial position, estimated reserves, revenues and income or losses, projected costs and capital expenditures, prospects, acquisition opportunities, plans and objectives of management of Prairie Operating Co. and its consolidated subsidiaries (“Prairie,” “we,” “us,” “our” and the “Company”) are forward-looking statements. When used in this presentation, the words “plan,” “endeavor,” “will,” “would,” “could,” “believe,” “anticipate,” “intend,” “estimate,” “expect,” “project,” “forecast” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. These forward-looking statements are (or were when made) based on current expectations and assumptions about future events and are (or were when made) based on currently available information as to the outcome and timing of future events. Forward-looking statements in this presentation may include, for example, statements about: our ability to realize the expected benefits of the Bayswater Acquisition; our financial performance following the Bayswater Acquisition, the Nickel Road acquisition and the other transactions described in this presentation; financial strategy, liquidity and capital required for our development program and other capital expenditures; estimates of reserves our oil, gas and NGLs; estimates of the future oil and natural gas production from our oil and gas assets, including estimates of any increases or decreases in production; the availability and adequacy of cash flow to meet our requirements; the availability of additional capital for our operations; changes in our business and growth strategy, including our ability to successfully operate and expand our business; our integration of acquisitions, including the Bayswater Acquisition and the Nickel Road acquisition; changes or developments in applicable laws or regulations, including with respect to taxes; and actions taken or not taken by third parties, including our contractors and competitors.

When considering forward-looking statements, you should keep in mind the risk factors and other cautionary statements described under the heading “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2024, as amended. We caution you that these forward-looking statements are subject to all of these risks and uncertainties, most of which are difficult to predict and many of which are beyond our control. These risks include, but are not limited to: our ability to recognize the anticipated benefits of the Bayswater Acquisition, the Nickel Road acquisition and the other transactions described in this presentation, which may be affected by, among other things, competition and our ability to grow and manage growth profitably following the Bayswater Acquisition, the Nickel Road acquisition and such other transactions; our ability to fund our development and drilling plan using generated free cash flow without utilizing leverage; the possibility that we may be unable to achieve expected free cash flow accretion, production levels, drilling, operational efficiencies and other anticipated benefits within the expected time-frames, or at all, and to successfully integrate the assets we will purchase pursuant to the Bayswater Acquisition, the assets that we purchased pursuant to the Nickel Road acquisition and/or any other assets or operations we have acquired or may acquire in the future with those of the Company; our integration of the assets we will purchase pursuant to the Bayswater Acquisition and/or the assets that we purchased pursuant to the Nickel Road acquisition with those of the Company may be more difficult, time-consuming or costly than expected; our operating costs, customer loss and business disruption may be greater than expected following the Bayswater Acquisition or the public announcement of the Bayswater Acquisition; our ability to grow our operations, and to fund such operations, on the anticipated timeline or at all; uncertainties inherent in estimating quantities of oil, natural gas and NGLs reserves and projecting future rates of production and the amount and timing of development expenditures; commodity price and cost volatility and inflation; our ability to obtain and maintain necessary permits and approvals to develop our assets; safety and environmental requirements that may subject us to unanticipated liabilities; changes in the regulations governing our business and operations, including the businesses, assets and operations we have acquired or may acquire in the future, such as, but not limited to, those pertaining to the environment, our drilling program and the pricing of our future production; our success in retaining or recruiting, or changes required in, our officers, key employees or directors; general economic, financial, legal, political, and business conditions and changes in domestic and foreign markets; the risks related to the growth of our business; the effects of competition on our future business; and other risk factors detailed under the section entitled “Risk Factors” in our periodic filings with the Securities and exchange Commission (“SEC”).

Reserve engineering is a process of estimating underground accumulations of oil, natural gas and NGLs that cannot be measured in an exact way. The accuracy of any reserve estimate depends on the quality of available data, the interpretation of such data and price and cost assumptions made by reserve engineers. In addition, the results of drilling, testing and production activities may justify upward or downward revisions of estimates that were made previously. If significant, such revisions would change the schedule or any further production and development drilling. Accordingly, reserve estimates may differ significantly from the quantities of oil, natural gas and NGLs that are ultimately recovered.

Should one or more of the risks or uncertainties described in this presentation occur, or should underlying assumptions prove incorrect, our actual results and plans could differ materially from those expressed in any forward-looking statements. All forward-looking statements, expressed or implied, included in this presentation are expressly qualified in their entirety by this disclaimer. This disclaimer should also be considered in connection with any subsequent written or oral forward-looking statements that we or persons acting on our behalf may issue. There may be additional risks not currently known by the Company or that the Company currently believes are immaterial that could cause actual results to differ from those contained in the forward-looking statements. Additional information concerning these and other factors that may impact the Company’s expectations can be found in the Company’s periodic filings with the SEC, including the Company’s Annual Report on Form 10-K filed with the SEC on March 6, 2025, and any subsequently filed Quarterly Report on Form 10-Q and Current Report on Form 8-K. The Company’s SEC filings are publicly available on the SEC’s website at www.sec.gov. Except as otherwise required by applicable law, we disclaim any duty to update any forward-looking statements, all of which are expressly qualified by the statements in this section, to reflect new information obtained or events or circumstances that occur after the date any such forward-looking statement is made.

Pro Forma and Projected Information

This presentation contains certain pro forma and projected information, including projected pro forma information that reflects our current expectations and assumptions regarding the effect that the equity offering, the pending Bayswater Acquisition and other transactions would have had they been completed at an earlier date. This pro forma information does not purport to present the results that would have actually occurred had these transactions been completed on the assumed dates, or that we may realize if these transactions are completed.

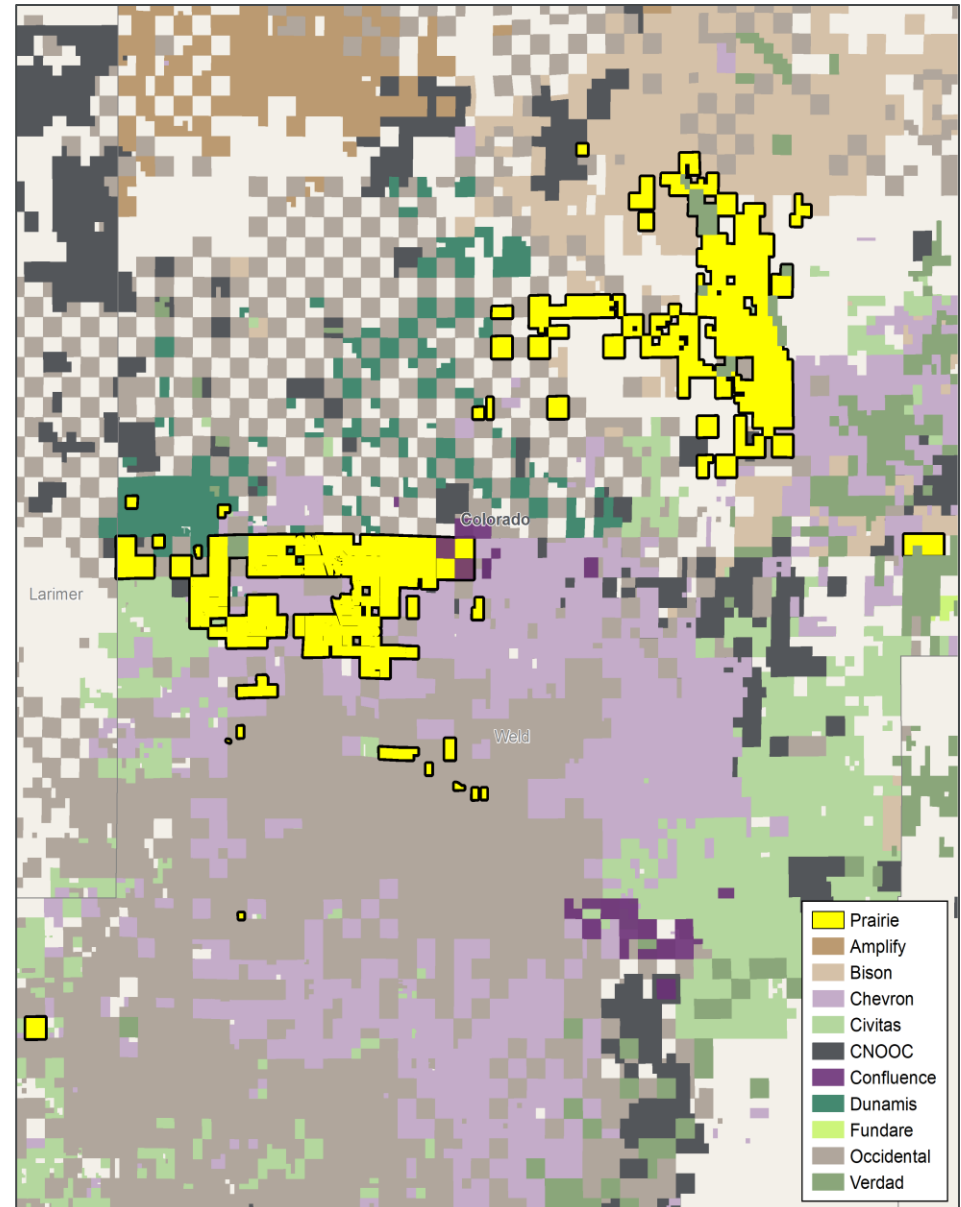
Prairie Operating Co. Asset Overview



Asset Highlights

- Strong DJ Basin Footprint
 - ~65,000 gross / ~47,500 net acres in the DJ Basin
 - Prominent operators in the area, including Chevron, Civitas, EOG, and Occidental
 - Positioned away from population dense areas; no federal leases
- Extensive Development Runway
 - 550 identified locations ⁽¹⁾, 157 locations fully permitted
 - Provides in excess of 10 years of development
 - Proven Reserves of ~104MMboe (70% Liquids)⁽²⁾
- Significant Cash Flow Profile Potential
 - Targeted growth trajectory via cash flow reinvestment and accretive acquisitions
 - Competitive project returns expected across company inventory
- Deep Management Expertise
 - Experience developing and deploying next-generation technology and techniques
 - Successful track record growing public companies from early stage

Prairie Operating DJ Positioning



Source: Enverus; Cawley, Gillespie & Associates, Inc.

1) Of the 550 identified locations, 396 are Possible Undeveloped locations

2) Based on reserve report as of 12/31/2024

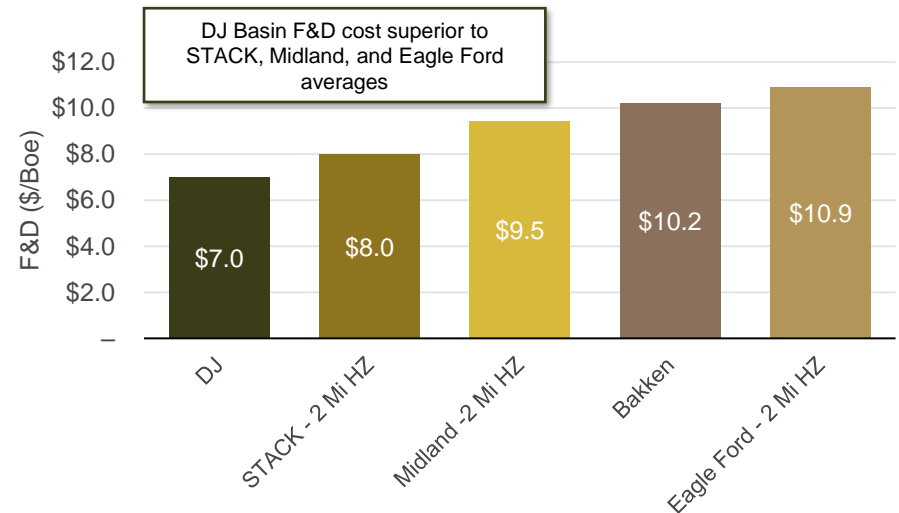
DJ Basin Economics Compare Favorably to Other Basins



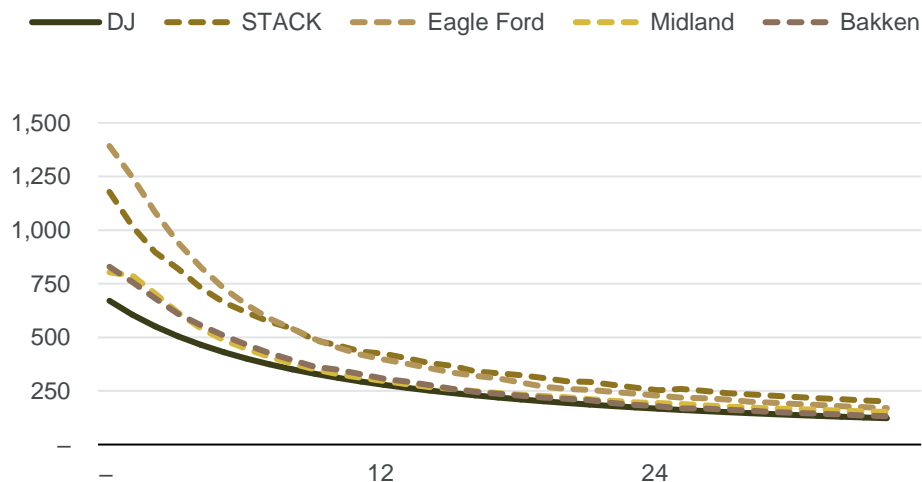
Highlights

- Superior full cycle economics driven by industry low AFEs and LOEs
- DJ Basin recent well results compare favorably to Bakken, STACK, Midland, and Eagle Ford averages
- Average DJ Basin horizontal well IP30 and % of peak at 60 months is ~670 Boe/d and ~10%, respectively
- DJ Basin 2021+ well results yield significant F&D improvement over unconventional plays like the STACK, Midland, and Eagle Ford

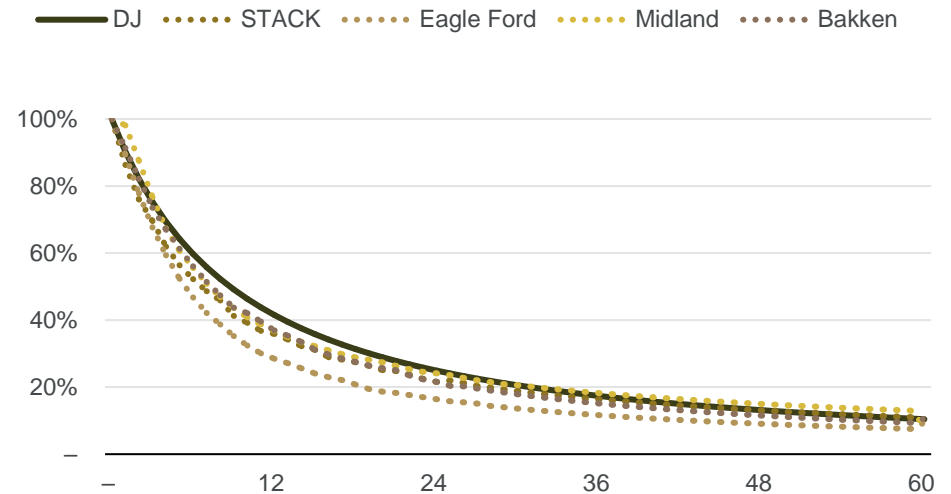
Finding & Development Costs (F&D)



Type Curve Comparison



DJ Basin New Drills Provide Modest Decline Rates (% Peak)



Financial Strategy



Maximize Margins & Efficiency

- Unbundle AFE costs
- Maintain favorable LOE and GP&T / Boe
- Continuously improve D&C techniques

Focus on Financial Flexibility

- Maintain conservative capital structure and ensure ample liquidity
- Fund growth with cash flow and access to capital markets
- No near-term debt maturities

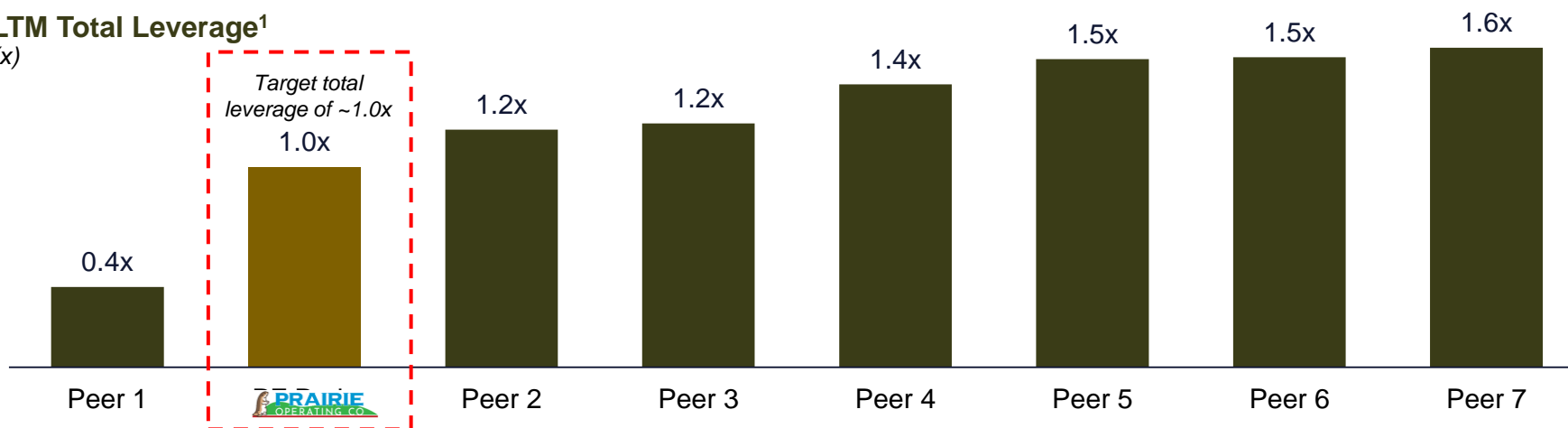
Active Hedging Program

- Protect cash flow and support capital program
- Provides stability to borrowing base and high clarity for investors on forecasted returns
- Long-term target of approximately 50% PDP hedged

Efficiently Allocate Capital

- Focus on responsible growth and shareholder returns
- Grow and preserve leasehold in Weld County
- Maximize value of resource base

LTM Total Leverage¹ (x)



Source: Public filings.

1) Peers reflect Total Debt / LTM adjusted EBITDA as of 9/30/2024. Given pro forma effect for recent acquisitions. Prairie leverage reflects expected debt at close divided by Adjusted EBITDA for the nine months ended 9/30/2024 on an annualized basis. Prairie EBITDA is post cash G&A. Does not reflect impact of Prairie cost structure or G&A on Bayswater assets, including incremental G&A, if any.

Environmental Excellence – Producing the Cleanest Molecule



Pre-Production

- Drilling rig powered by the grid or natural gas generators with battery assist
- eFleet for completions
- Green completions - employing specially designed equipment to capture gas produced following hydraulic fracturing
- Use of OGP Group III Drilling Mud
- No trucks utilized to transport water to location for hydraulic fracturing



Production

- Instrument air pneumatics
- No permanent hydrocarbon storage
- Grid-powered equipment and engines to minimize combustion emissions
- No flaring of high-pressure gas from separators
- Daily audio, visual, and olfactory inspections for emissions leaks



Corporate-wide

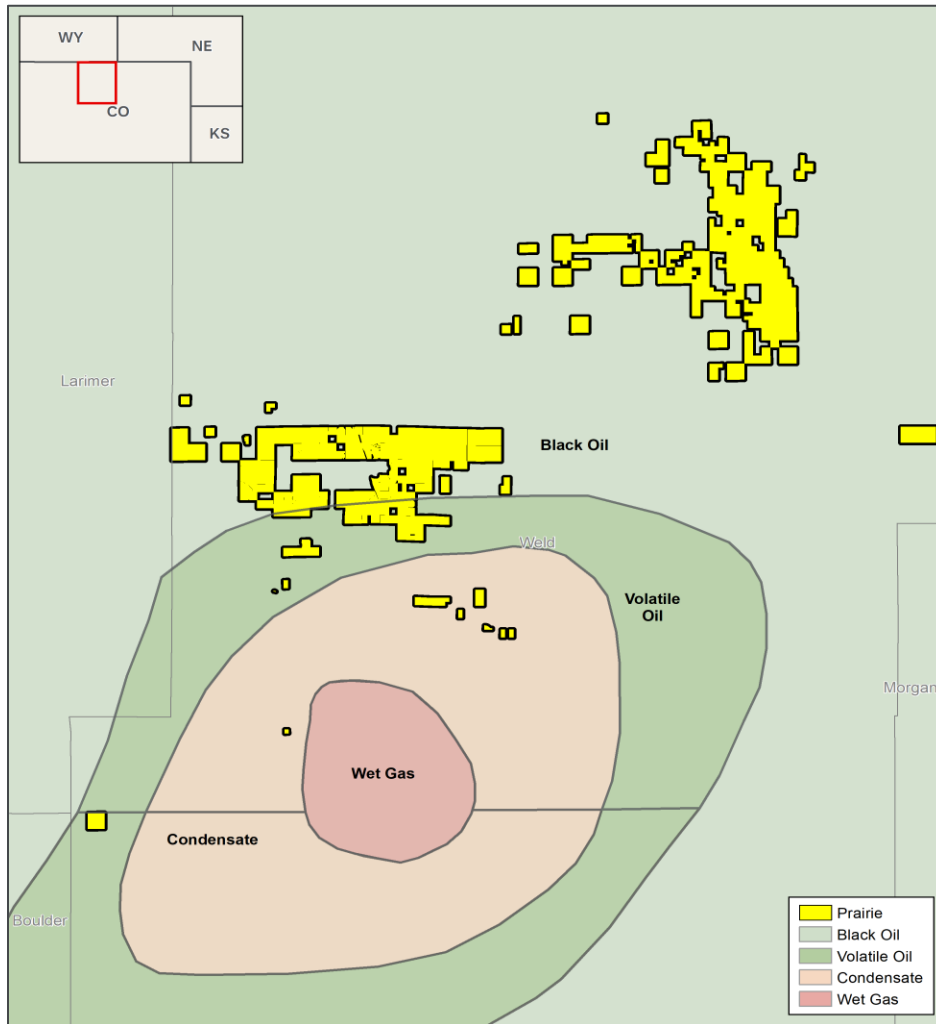
- Members of API's The Environmental Partnership
- Participants in CECMC and APCD steering committees and rulemakings specific to emission reductions and BMPs
- All maintenance activities will be controlled with an enclosed combustion device ("ECD") or will be emission-less



Attractive Oil-Rich Position within DJ Basin

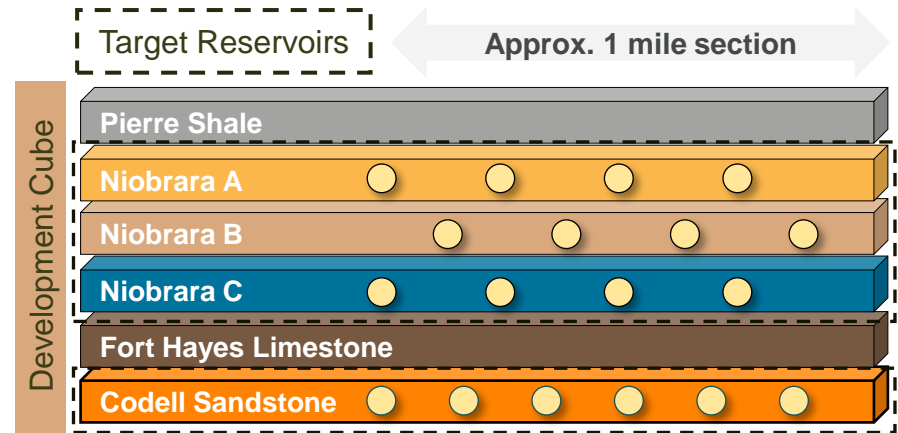


Prairie Oil and Gas Asset Overview Map



Assets are positioned in the oily region of the DJ Basin, away from areas of higher population, and have extensive multi-bench running room

DJ Basin Development Cube⁽¹⁾



Niobrara / Codell horizontal developed at up to 18 wells per section¹

- Niobrara chalks (A, B, C) and Codell formations are primary target benches in DJ Basin with ongoing, stacked co-development
- Prairie holds ~47,500 net acres with 550 gross operated locations and 508² total PDP wells
- DJ development has been expanding and moving in the direction of Prairie assets over the last 5-10 years
- Over 350' of target section across 4 full benches¹

Source: Management.
 1) Thickness varies across the basin.
 2) Included Operated and Non-Operated PDP.

Strategic Location in Energy Friendly / Rural Weld County



Organic Growth

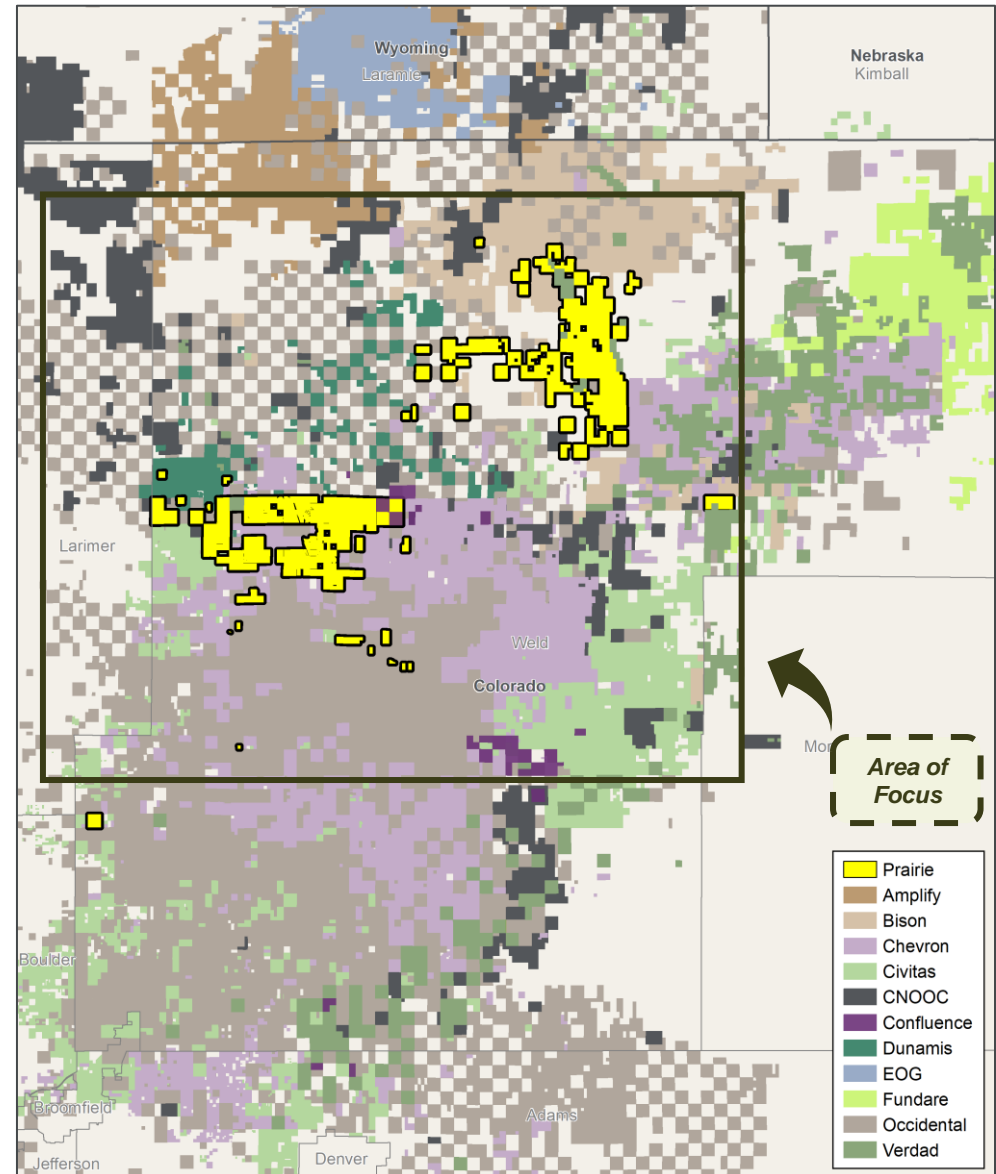
Deliver Growth Through Development of Extensive Drilling Inventory and Acreage

- Targeting >10% production growth through the drill-bit
- Build new DSUs through greenfield leasing
- Increase working interest in existing DSUs

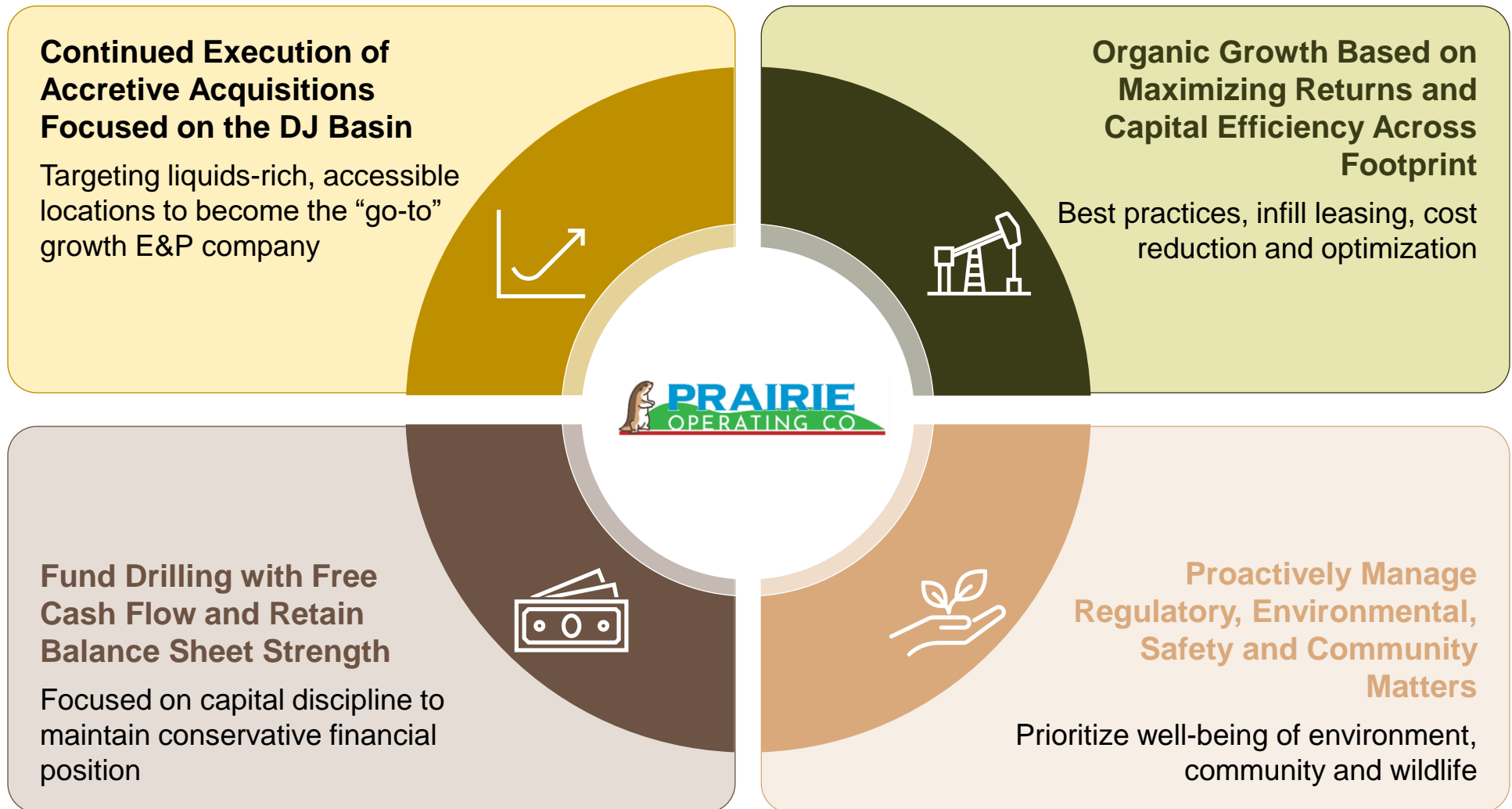
Inorganic Growth

Acquisition Strategy Focused on DJ Basin

- Robust pipeline of potential large and small acquisition targets
- Management team has long track record of successfully sourcing and integrating acquisitions



Focused Growth Strategy

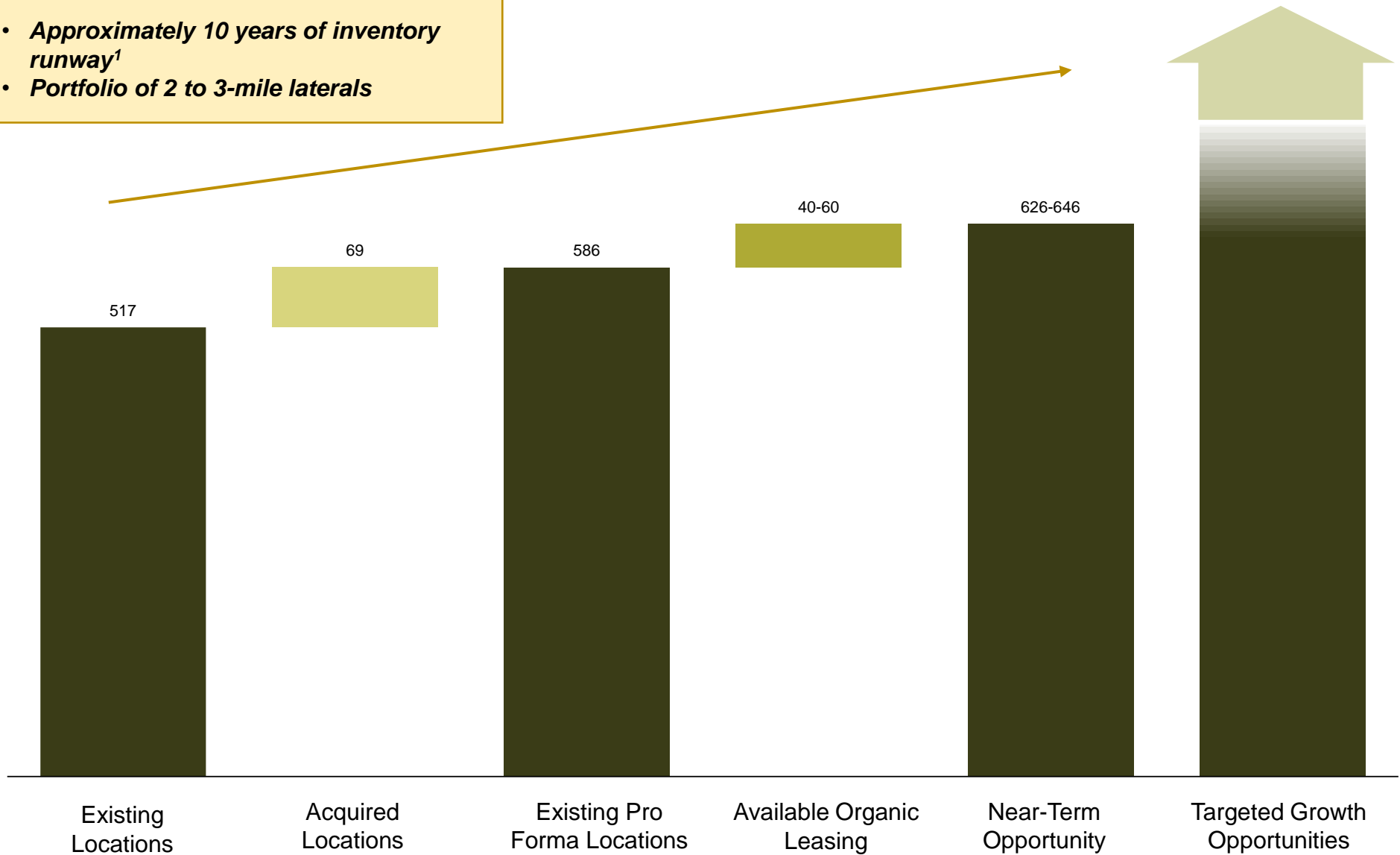


High-Quality Inventory with Long-Dated Duration



Gross Operated Inventory (Locations)

- **Approximately 10 years of inventory runway¹**
- **Portfolio of 2 to 3-mile laterals**



1)

At one rig (60 wells) per year pace.

Experienced Management Team



Edward Kovalik
*Co-Founder,
Chairman & CEO*

- Over 25 years of industry experience
- Founder and managing member of KLR Group, an energy merchant bank
- KLR Group founded River Bend, KLR Energy (Rosehill Resources), Seawolf Water Resources, and Prairie Partners



**River Bend
Oil & Gas, LLC**



Gary Hanna
*Co-Founder,
Director &
President*

- Over 40 years of E&P experience
- Multiple successful public workouts and start-ups
- 30 years in public company senior management and board of director roles



Craig Owen ²
EVP & CFO

- Over 30 years of industry experience
- Served as CFO of Southwestern Energy and Rosehill Resources
- Prior to Rosehill, had roles at Anadarko, PwC, Hilcorp, and ARCO Pipe Line Company
- B.B.A. Accounting from Texas A&M University



Bryan Freeman
EVP, Operations

- Over 35 years of industry experience
- Served as SVP of Drilling and Completions at Rosehill Resources
- M.S. in Engineering from the University of Texas



Greg Patton ³
*EVP, Commercial
Development*

- Over 15 years of industry experience
- Served as Senior Vice President, Corporate Development and Finance for Great Western Petroleum and CFO for Trigger Energy
- Master and Bachelors of Accounting from The University of Denver



Daniel Sweeney
*EVP, General
Counsel and Corp.
Secretary*

- Over 25 years of industry experience
- Served as Senior Vice President, General Counsel and Secretary for Great Western Petroleum and Asst. Secretary, Asso. General Counsel at Eclipse
- Bachelor degree in Political Science from Case Western Reserve University and juris doctorate from Thomas R. Kline School of Law at Duquesne University



Management & Shareholder Alignment

Current directors and executive officers beneficially own ~11%⁽¹⁾ of Prairie's common stock

1) Beneficial ownership is determined in accordance with the rules and regulations of the SEC; A person is a "beneficial owner" of a security if that person has or shares "voting power," which includes the power to vote or to direct the voting of the security, or "investment power," which includes the power to dispose of or to direct the disposition of the security or has the right to acquire such powers within 60 days; The beneficial ownership percentage set forth is based on 26,248,199 common shares outstanding as of January 31, 2025.

2) Craig Owen will retire as CFO, effective April 1, 2025.

3) Greg Patton will be promoted to CFO effective April 1, 2025.

Company Highlights



Strategic, Contiguous, Oily Acreage Position in the Heart of the DJ Basin in Rural Weld County



DJ Basin Advantage: Low-Cost Operations and Highly-Predictable Well Results Expected to Drive Strong Free Cash Flow and Attractive Returns



Double Digit Organic Growth Profile with Approximately 10 Years¹ of Low-Breakeven Inventory



Robust Acquisition Pipeline



Advantaged / Contracted Midstream Portfolio Provides Ample Capacity to Support Differentiated Growth Profile



Strong Balance Sheet (~1.0x Leverage²) Protects Against Volatility and Maximizes Flexibility to Execute Long-Term Strategic Vision

1)
2)

At one rig (60 wells) per year pace.

Leverage defined as expected debt at close divided by Adjusted EBITDA for the nine months ended 9/30/2024 on an annualized basis. Prairie EBITDA is post cash G&A. Does not reflect impact of Prairie cost structure or G&A on Bayswater assets, including incremental G&A, if any.

Appendix

Investor Relations Contact:

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