



## DECEMBER 2021 INVESTOR PRESENTATION



NYSE American: NOG



**I. NORTHERN VALUE PROPOSITION**

II. 2021 ACQUISITIONS

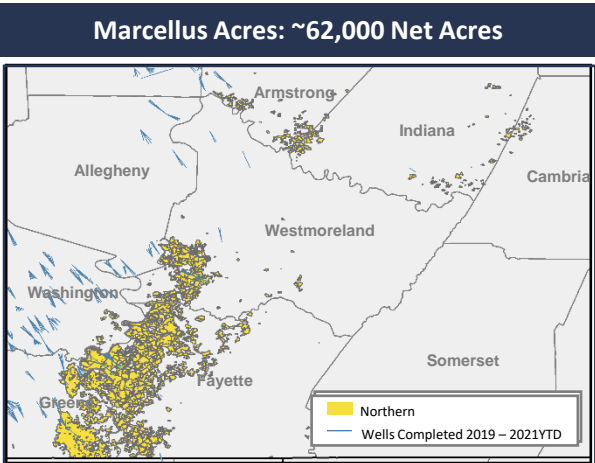
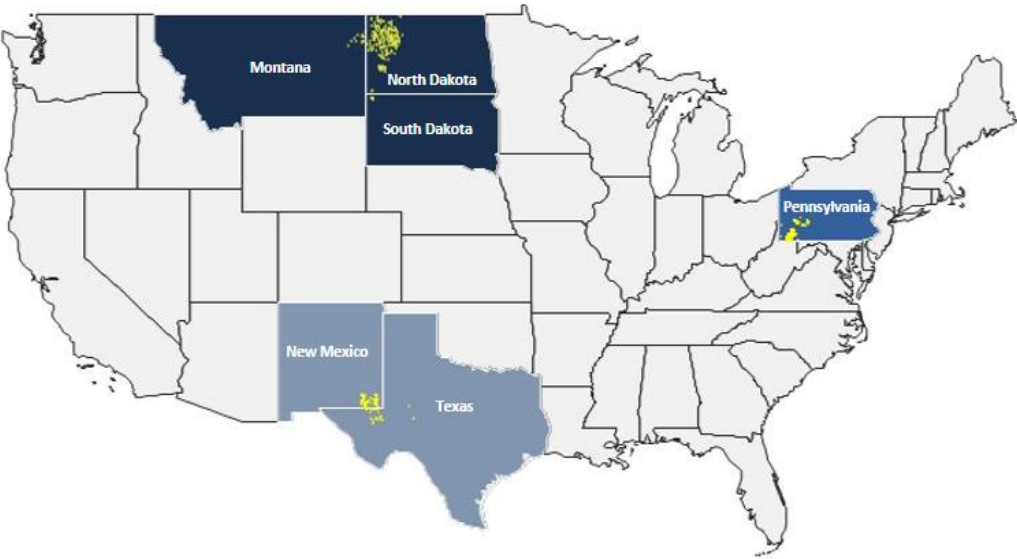
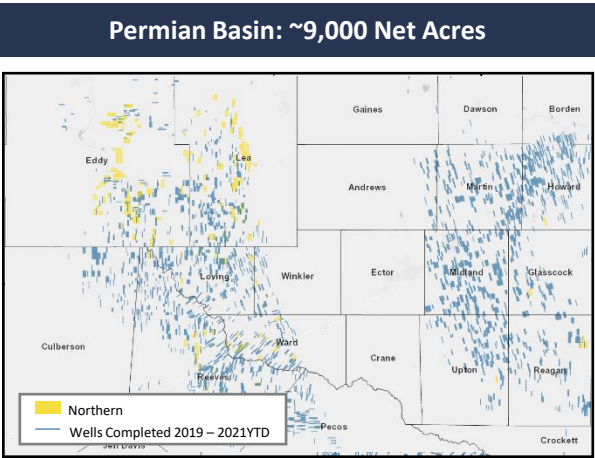
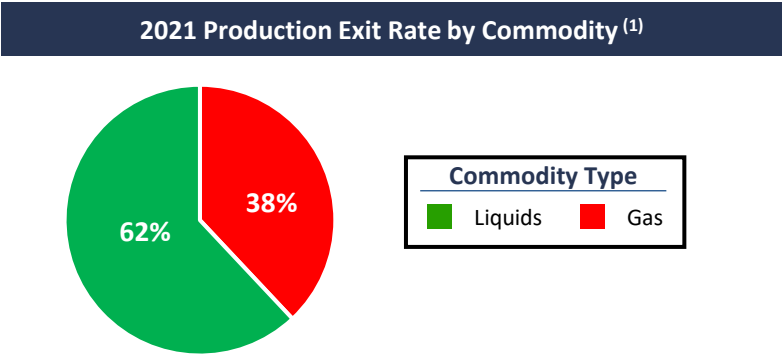
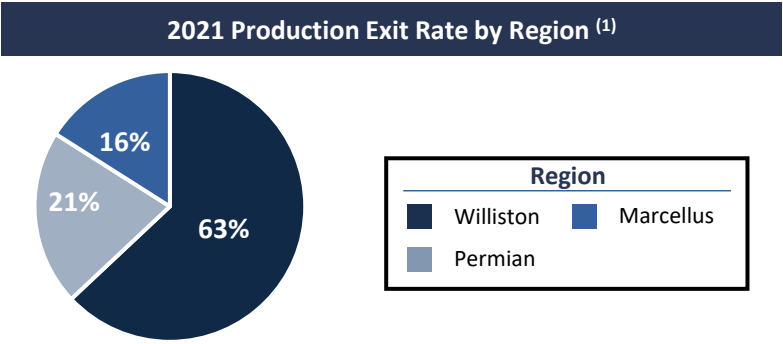
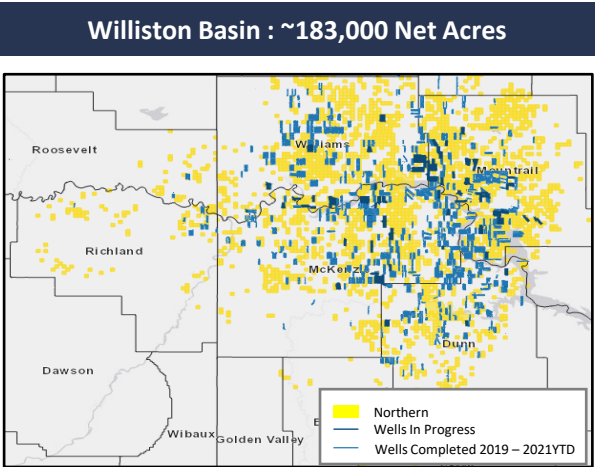
III. APPENDIX: SUPPLEMENTAL INFO

# 2021 NORTHERN: DIVERSIFIED HIGH RETURN NON-OP E&P FRANCHISE



NYSE American: NOG

- Northern’s 2021 Permian and Marcellus acquisitions have created a high return national non-op franchise that is benefitting from economies of scale
- Going forward, NOG is positioned to continue to capitalize on increased non-operated opportunities present in the “Shale 3.0” era



(1) Exit rates and production mix shown pro forma for recently closed Williston Acquisition and pro forma for pending Permian Acquisition

# THE NORTHERN INVESTMENT PROPOSITION



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**National non-op franchise – principled ROCE <sup>(1)</sup> leader (18.8% Q3:21) diversified by commodity and geography**

**Strong expected Free Cash Flow <sup>(2)</sup>: >\$375 MM in 2022 (23% FCF Yld) and >\$1.3 Bn through 2025**

**Return of capital commitment – recommending a \$0.12/share dividend (post Veritas close), representing a 400% increase from NOG’s inaugural 2Q:21 dividend**

**Continuously improving balance sheet with target net leverage of <1.0x**

**Compelling Valuation: 5.4x 2021 P/E Ratio <sup>(3)</sup>**

**The “Shale 3.0” beneficiary – the Golden Age for non-op is now**

(1) ROCE is a non-GAAP financial measure. See Appendix for methodology and reconciliation

(2) Free Cash Flow (FCF) is a non-GAAP financial measure. See Appendix for methodology. Northern is unable to present a reconciliation of forward-looking FCF because components of the calculation, including fluctuations in working capital accounts, are inherently unpredictable. FCF yield assumes a \$20.97 share price (11/29/21 close) and 77.195MM shares (11/1/21 common outstanding proforma for 11/21 equity raise of 11MM shares), equating to a market capitalization of \$1,619MM

(3) As of 11/29/2021 based off Bloomberg consensus estimates for EPS \$3.87/share and a NOG share price of \$20.97. Not inclusive of Veritas acquisition

# A DIFFERENTIATED E&P GROWTH PLATFORM



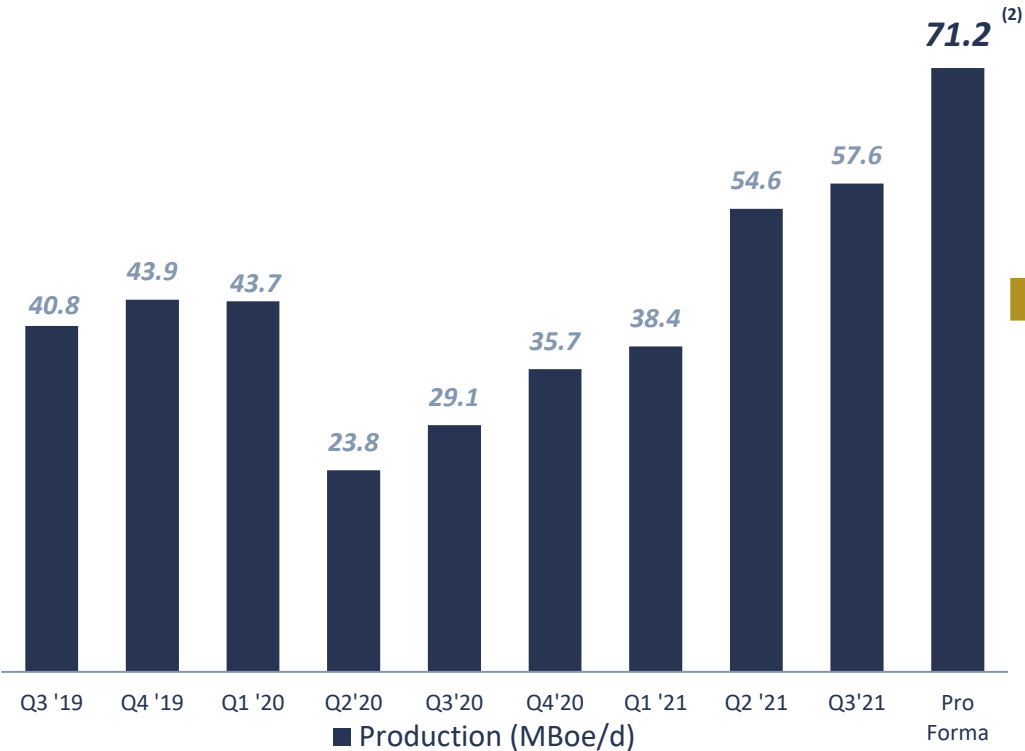
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➤ NOG pro forma for Veritas and Comstock acquisitions is now a >70,000 Boe/d company

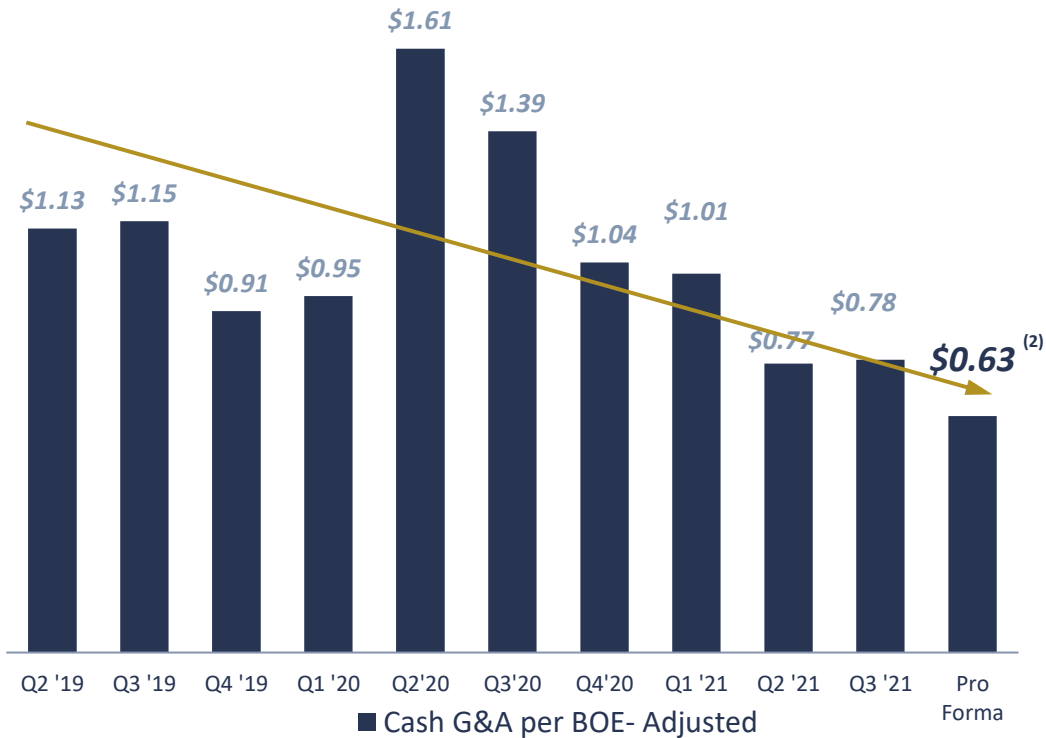
PRODUCTION CONTINUES TO RAMP...

...WHILE MAINTAINING PEER-LEADING LOW CASH G&A<sup>(1)</sup>

Material, but measured  
historical production  
growth



Reducing overhead cash G&A  
cost



1. Cash G&A is a non-GAAP financial measure. Please see the appendix for reconciliation to the most directly comparable GAAP Measure. Cash G&A is further adjusted to exclude cost deemed one-time in nature G&A based on Q3 G&A held flat and Q3 NOG standalone production plus pro forma Q4 production from Veritas and Comstock transaction

2. 9.1 Mboe/d added from Veritas acquisition and 4.5 Mboe/d added from the Comstock acquisition with no incremental G&A assumed



# A TRANSFORMED AND STRONGER NOG



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➤ Northern's non-operated E&P model offers superior returns and free cash flow generation

## Diversified Asset Base With Exposure to Leading Operators

- ✓ Exposure to set of leading operators with estimated 2021 exiting pro forma production split as follows: Williston ~63% production, Permian ~21% production and Appalachia ~16% production
- ✓ Shale 3.0 operator discipline providing a major increase in attractive non-operated deal flow
- ✓ Balanced and diversified portfolio by fuel and geography

## Permian, Williston, and Marcellus Expansion<sup>(1)</sup>: Attractive Purchase Prices with Considerable Upside

- ✓ Veritas transaction multiple of \$35,300 / Boe/d based on Q4 '21E Production and 2.2x unhedged 2022 CF
- ✓ Williston transaction multiple of ~\$33,000 / Boe/d based on October production and ~2.6x NTM unhedged cash flow from operations
- ✓ June Permian transaction multiple of ~\$39,500 / Boe/d based on May '21 production and ~2.5x NTM unhedged cash flow from operations
- ✓ Marcellus transaction multiple of ~\$1,440 / Mcfe/d based on 2021E production and ~2.9x 2021E unhedged cash flow from operations

## Strong Balance Sheet and Ample Liquidity

- ✓ Anticipated multi-year free cash flow generation <sup>(2)</sup>
  - ✓ >\$175MM estimate FCF in 2021
  - ✓ >\$375MM FCF expected in 2022
- ✓ 1.6x LQA net leverage Q3 '21; targeting <1.0x net leverage <sup>(3)</sup>
- ✓ Corporate hedging target: >65% of production on a rolling 18-month basis
- ✓ Recent bond transaction terms-out over \$200MM of RBL borrowings

Source: NOG Management projections

(1) Based on strip pricing as of 1/20/21 for Marcellus acquisition, 5/21/21 for Permian acquisitions, and 10/2/21 for Williston acquisition

(2) Free Cash Flow (FCF) is a non-GAAP financial measure. See Appendix for methodology. Northern is unable to present a reconciliation of forward-looking FCF because components of the calculation, including fluctuations in working capital accounts, are inherently unpredictable

(3) LQA Net Leverage defined as last quarter's annualized Adjusted EBITDA divided by net debt. EBITDA is a non-GAAP financial measure. See Appendix for methodology and reconciliation

# NOG'S NON-OPERATED MODEL- A BETTER WAY TO PLAY E&P'S?



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## HIGH RETURN WAY TO PLAY E&P SPACE

*Peer leading cost structure & Corporate ROCE*  
*Unit G&A costs >50% less than operating peers*  
*Scalable Model: NOG has only 26 employees*

## SHALE 3.0 BENEFICIARY

*Northern is capitalizing on industry strategy shift as operators focusing on free cash flow generation instead of growth. This has led to record level non-op "Ground Game" opportunities*



## LEVERAGING EXPERIENCE

*Proprietary database, built from participation in over 7,000 wells, including ~45% of all Bakken and Three Forks wells drilled in the Williston*

## CAPITAL ALLOCATION FLEXIBILITY

*Ability to "Cherry-Pick" from over 50 operating partners across 1MM+ gross acres in 3 basins*  
*Absolute flexibility to manage capital allocation and to do so quickly*  
*Costs limited to drilling, completion, and acreage*

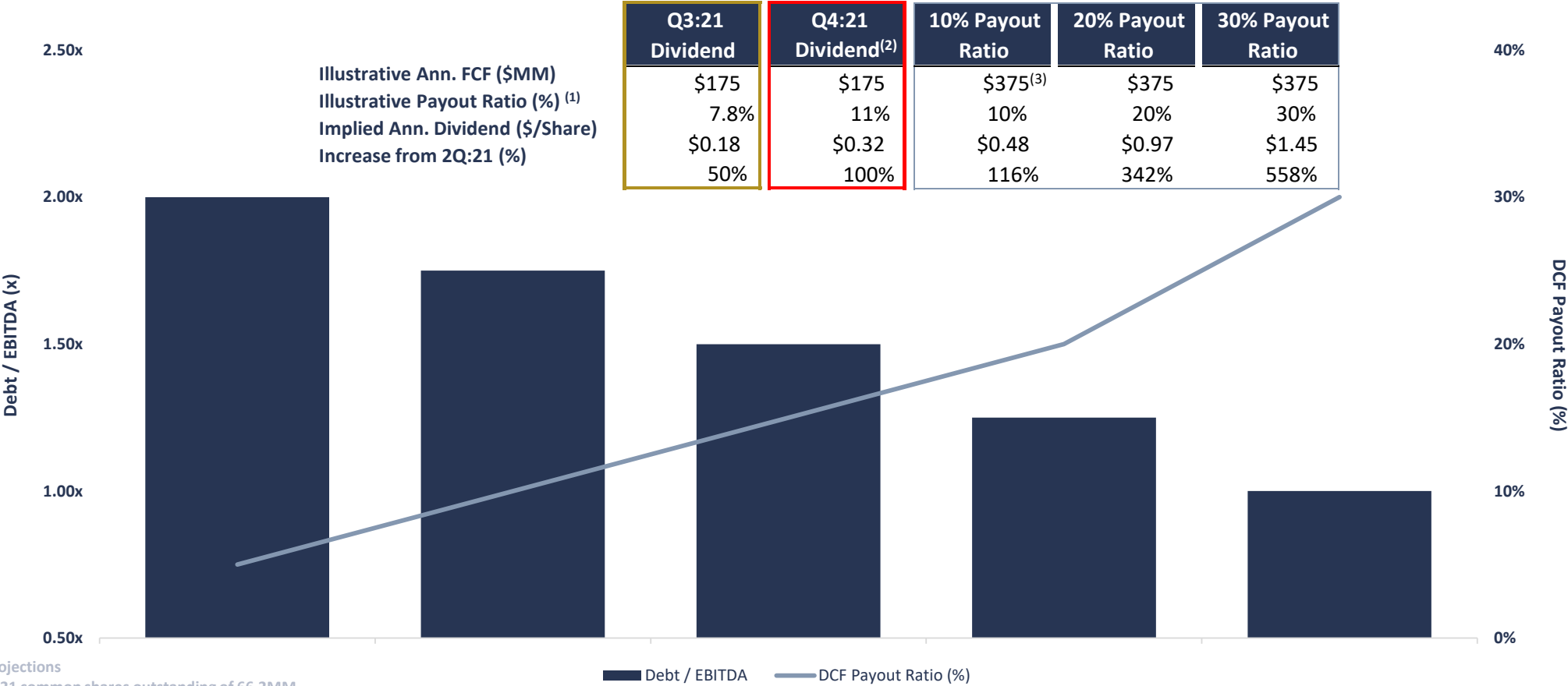
# LEVERAGE REDUCTION DRIVES A HIGHER DIVIDEND



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- Northern is committed and well positioned to return capital to shareholders via dividend growth
- Our dividend growth strategy is correlated to our corporate deleveraging strategy
- Corporate hedging targets protect future cash flows and provide greater confidence in our ability to accomplish both objectives

## Illustrative Leverage Reduction and Corresponding Dividend Growth



Source: Management projections

(1) Based on Nov 1, 2021 common shares outstanding of 66.2MM

(2) Q4 Dividend of \$0.08 declared by Board of Directors

(3) Based on pro forma expectations for acquisition of Veritas Energy, LLC for 2022E



# “SHALE 3.0” PARADIGM IDEAL FOR ACTIVE NON-OP MODEL



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*Capital Constrained E&P's reassessing their Non-Op Positions*

**SHALE 3.0**



Operators commit to CAPEX levels no more than 70-80% of cash flow.

**BUT, WHY?**



A growth-driven shale strategy simply hasn't worked. US production skyrocketed, but oil prices and E&P cash flows suffered. Investors have rightfully demanded that the focus shifts to free cash flow generation and returning that capital to shareholders, which keeps US supply in check.

**GOOD FOR NOG?**



100%

**BUT, WHY?**



Under a 70-80% cash flow reinvestment scenario, every dollar matters, and operated budgets take precedent over non-op budgets regardless of economics. With these dynamics, NOG's pipeline of “drill-ready” non-op prospects stands at an all-time high. We target less than 3-year paybacks on these investments.

**IS THIS KNOWN?**



Definitely not 100%. We are one of the largest publicly traded non-op E&P's and have one of the highest ROCE in the oily E&P space.

# GROUND GAME – A HIGH RETURN NOG EXCLUSIVE



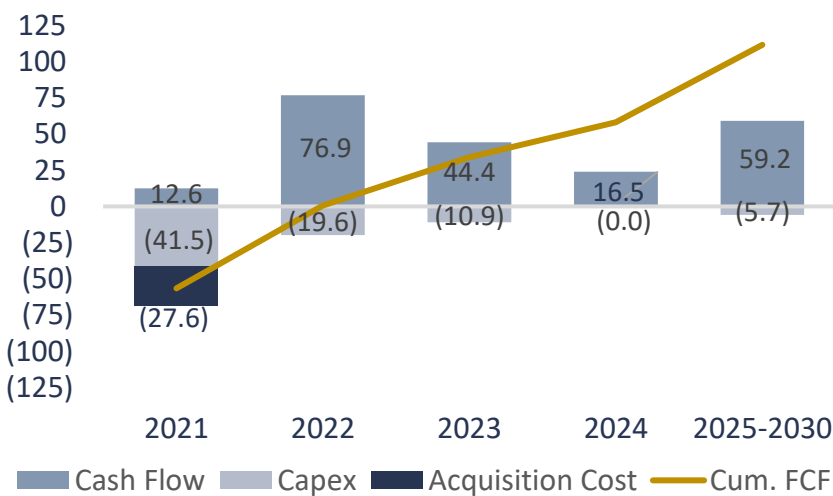
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Another Year of Highly Accretive Full Cycle Return Opportunities

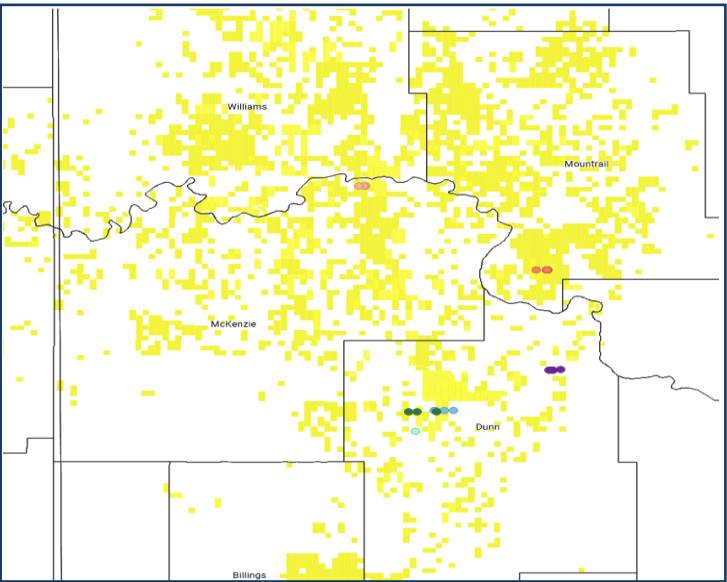
## 2021 Ground Game Wells in Process Acquisitions

	2021	2022	2023	2024
Net Wells Turned-in-Line	5.1	4.0	1.2	0.0
Forecasted Production (boe/d)	594	3,965	2,865	1,706
Cash Flow From Operation (millions) <sup>(1)</sup>	\$12.6	\$76.9	\$44.4	\$24.1
Development Capital Expenditures (millions)	\$41.5	\$19.6	\$10.9	\$0.0
Acquisition Cost (millions)	\$27.6	\$0.0	\$0.0	\$0.0
Expected ROCE <sup>(2)</sup>	14%	87%	49%	30%

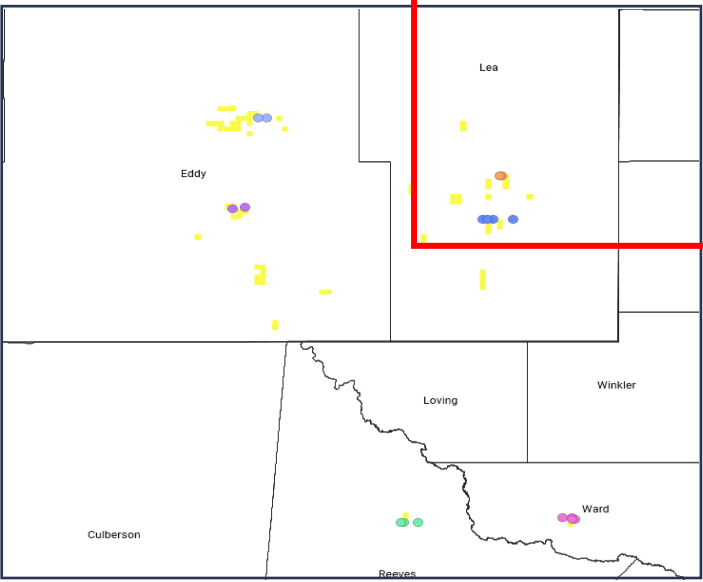
## Free Cash Flow Derivation (\$MM)



## Williston Ground Game Map



## Permian Ground Game Map



250+ ground game deals executed since 2018

Only targeting deals that keep our industry leading ROCE intact

Barbell approach high-grading opportunity set across the Bakken and Permian

Current environment is ripe for deals; multiple deals evaluated daily

1) Oil/gas price assumptions were done at the 10/22/21 Strip

2) Calculated at the asset level

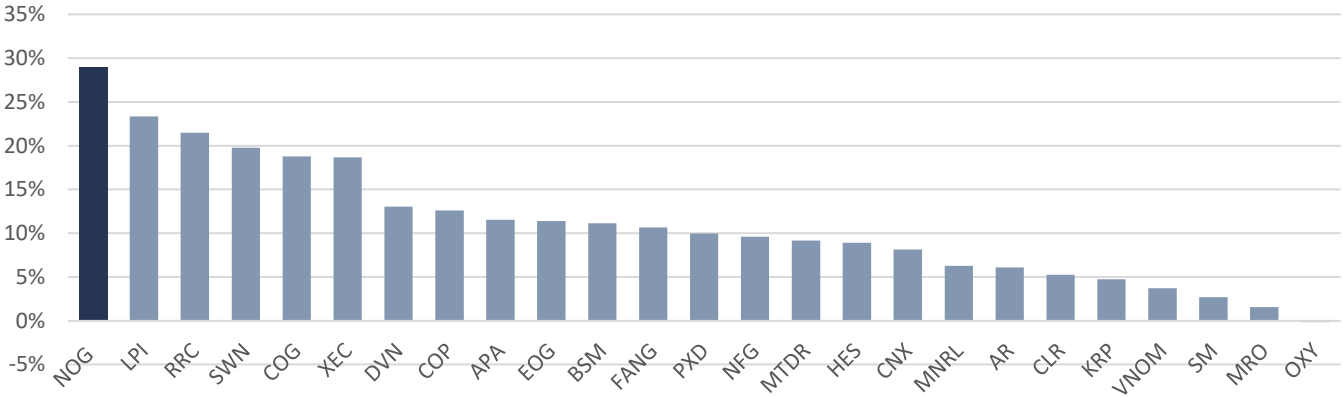
# RETURNS METRICS CONTINUE TO LEAD THE PACK



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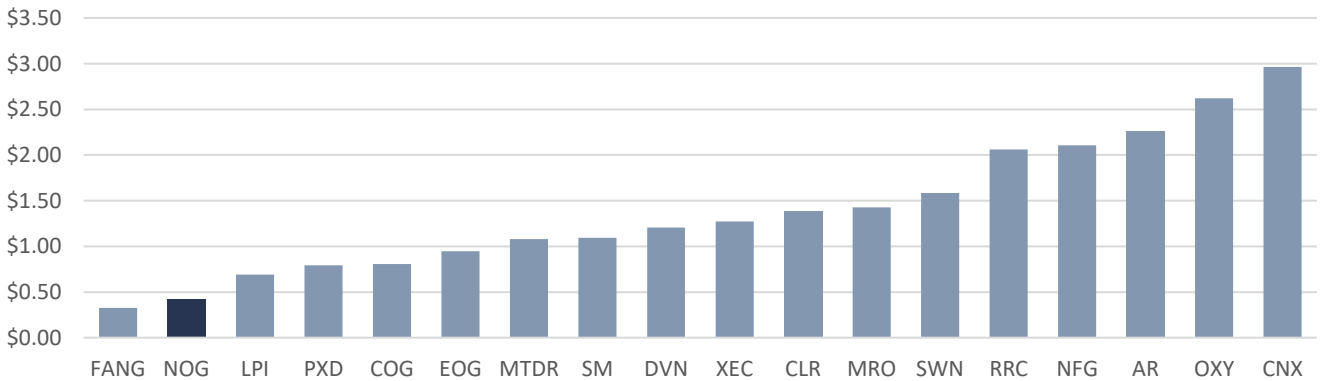
*High Return Business Driven by Low Cash G&A Burden*

Peer-Leading ROCE (2021)... Raymond James E&P Research Coverage



Non-operator model allows us to run a lean cost structure and cash efficient business, generating peer-leading ROCE

....and low cash G&A (\$MM) per completed well (2021)



Low overhead costs mean significantly lower G&A expense per well drilled — especially versus SMid-cap peers



I. NORTHERN VALUE PROPOSITION

II. **2021 ACQUISITIONS**

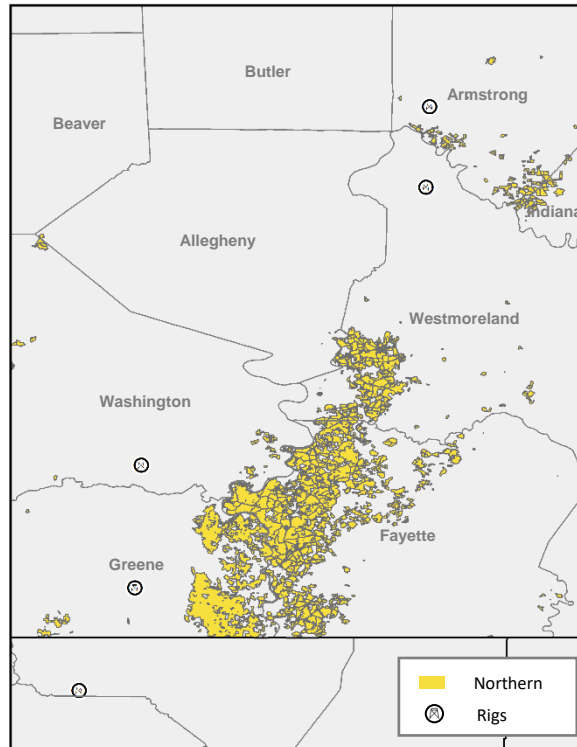
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# FOUR MAJOR ACQUISITIONS ANNOUNCED IN 2021

- Northern has gained substantial scale through > \$800 million of acquisitions announced in 2021 while improving its balance sheet
- LQA Net Leverage <sup>(1)</sup> has been reduced from 2.5x at 12/31/2020 to 1.6x at 9/30/2021

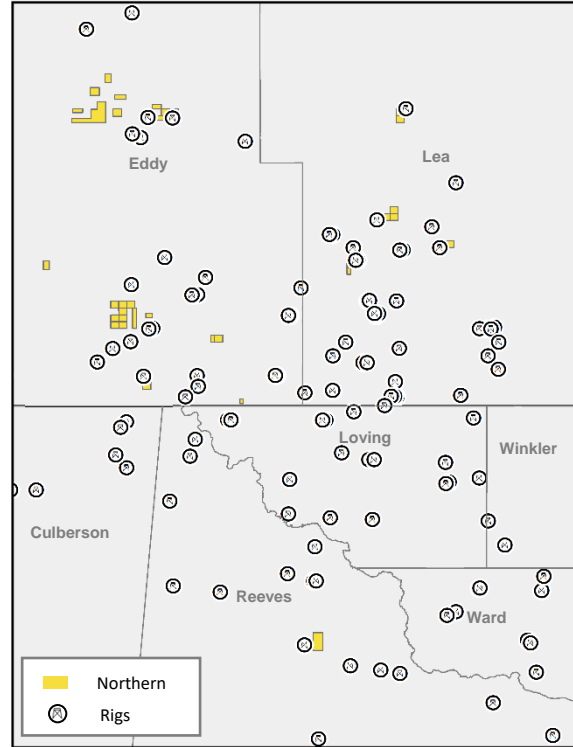
## Marcellus Entry

- ✓ Closed \$110 MM <sup>(2)</sup> Reliance Marcellus transaction in 2Q 2021



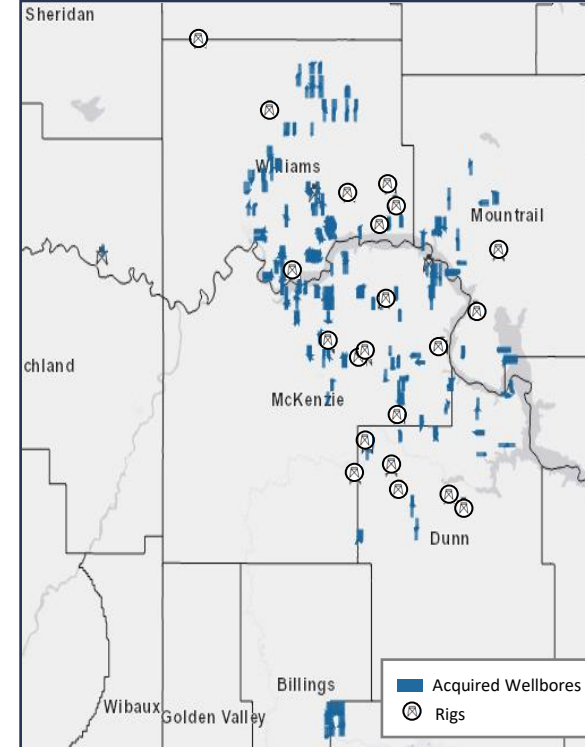
## Core Permian Bolt-On Acquisition

- ✓ Closed \$102 MM <sup>(3)</sup> Permian Basin bolt-on transaction in 3Q 2021



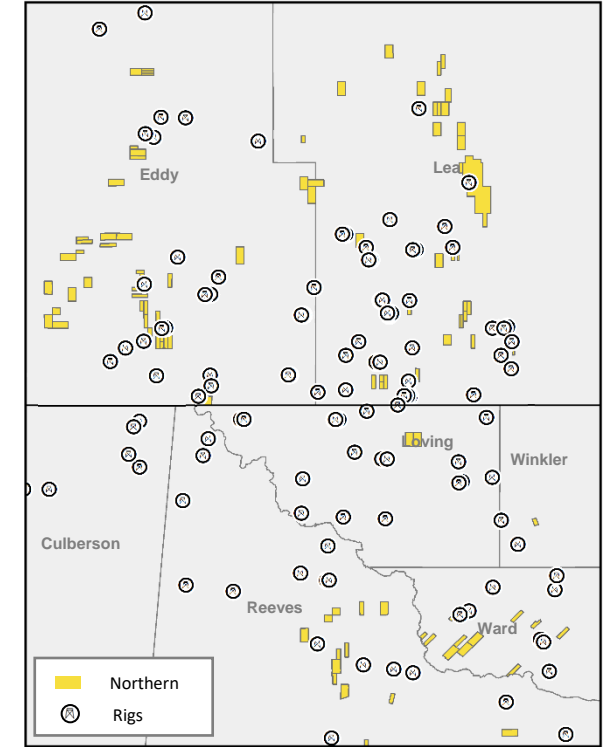
## Williston Bolt-on Acquisition

- ✓ Closed \$154 MM Williston bolt-on from Comstock in 4Q 2021



## Transformational Permian Acquisition

- ✓ Announced \$406.5 MM acquisition - the largest in Northern's history - on 11/16/21



(1) LQA Net Leverage defined as last quarter's annualized Adjusted EBITDA divided by net debt. EBITDA is a non-GAAP financial measure. See Appendix for methodology and reconciliation

(2) Cash purchase price, net of closing adjustments. Excludes warrants issued to seller in Reliance transaction

(3) Aggregate unadjusted purchase price for three deals announced on 6/16/21

# VERITAS: SCALING NOG'S CORE PERMIAN POSITION (11/21)



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## Acquisition Highlights

- ✓ Continues to establish Northern as the premier multi-basin non-operator with increased scale in the Permian Basin
- ✓ Attractive cash flow multiple purchase price (2.2x 2022E cash flow) and highly accretive to all relevant per share metrics
- ✓ Robust cash flow profile allows Northern to self-fund future growth
- ✓ High quality operating partners and significant PDP base contributing ~\$140 million of FCF in 2022 <sup>(1)</sup>

## Summary Transaction Stats

- Total Purchase Price: \$406.5 million cash + 1.9 million warrants
- Production: 9.1 Mboe/d Q4 2021E (60% oil weighted) <sup>(1,2)</sup>
- Net Acreage: ~6,000 Permian acres in Reeves, Lea, Eddy, Loving, Ward, Winkler, Reagan, and Upton counties
- 2022E operating cash flow: >\$180 million (~2.2x valuation) <sup>(1,3)</sup>
  - 2022E capex: \$35-40 million
- Net PDP/WIPs/Undeveloped wells: 31.7/5.6/44.8

## High Quality Operating Partners



Source: Enverus, Management projections, Seller data

(1) Assuming an October 1, 2021 effective date

(2) Based on two-stream production profile

(3) Based on strip pricing as of November 12, 2021

(4) Current rigs operating October 12, 2021 in Reeves, Lea, Eddy, Loving, Ward, Winkler, Reagan, and Upton counties as per Enverus



# COMSTOCK: STRONG CASH FLOW ON HOME TURF (10/21)



NYSE American: NOG

## Acquisition Highlights

- ✓ Continues to establish Northern as the natural consolidator of working interests in the Williston Basin
- ✓ Mature, shallow decline production profile (~15-20% first year decline expected)
- ✓ Existing ownership in 84% of acquired wellbores provides high confidence and visibility to asset performance
- ✓ De minimis capital expenditures on acquired assets expected to drive significant increase in corporate free cash flow
- ✓ Transaction expected to be accretive to TEV / EBITDA, earnings per share, free cash flow and cash flow per share

## Summary Transaction Stats

- ✓ Purchase Price: \$154 million, closed November 16, 2021
- ✓ 1H 2021 annualized asset level cash flow<sup>(2)</sup> of \$55 - \$60 million or ~2.6x purchase price
- ✓ PDP PV-10 estimate at ~\$205 million <sup>(1)</sup>
- ✓ 10/1/21 Production: ~4,665 Boepd (65% oil)
- ✓ 2022E Production: ~4,100 Boepd
- ✓ PDP (Net Wells): 65.9

## Top Operating Partners

- ✓ Wells operated by Williston legacy producers
- ✓ Wellbores primarily located in Williams, McKenzie, Mountrail and Dunn Counties, ND
- ✓ NOG already has an interest in ~84% of gross locations



Source: Enverus, Management projections, Seller data

(1) EBITDA and reserve valuation based on strip pricing as of October 4, 2021

(2) Asset level cash flow defined as revenues less total expenses that include LOE, production taxes and workover expenses

# PERMIAN DEALS: DELAWARE PLATFORM ESTABLISHED (6/21) **NOG**

NYSE American: NOG

## Acquisition Highlights - Deals closed on or before 8/2/21

- ✓ Core Delaware Basin position operated by some of the industry's most active operators
- ✓ Increases scale in the Permian Basin in a high ROCE transaction across core properties with top Permian operators
- ✓ High confidence development plan with expected production to increase ~3x while generating >\$100MM of FCF through 2025 <sup>(1)</sup>
- ✓ Attractive 2.5x NTM cash flow purchase price makes the deal accretive to all relevant per share statistics
- ✓ Increase in cash flows drives a 50% increase to NOG's dividend

## Summary Transaction Stats

- ✓ Unadjusted Purchase Price: \$102.2 Million (Aggregate of 3 deals) <sup>(2)</sup>
- ✓ NTM Operating Cash flow: >\$40 million <sup>(1)</sup> or ~2.5x initial purchase price
- ✓ Production: 3,700 Boe/d H2 2021E (66% oil weighted) <sup>(1,2)</sup>
- ✓ Net Acreage: ~2,800 acres in Reeves, Lea and Eddy Counties
- ✓ Weighted average IRR of ~72% on undeveloped inventory <sup>(1,2)</sup>

## High Quality Operating Partners



Source: Enverus, Management projections, Seller data

(1) Based on strip pricing as of May 21, 2021

(2) Reference Northern's 6/16/21 acquisition press release

(3) August 1, 2021 closing date | (3) Based on two-stream production profile

(4) Current rigs operating (October 28, 2021) in Reeves, Lea and Eddy counties as per Enverus; Colgate Energy rig data as of June 1, 2021 based on latest disclosure related to the announced acquisition of Luxe Energy

# RELIANCE: MARCELLUS ENTRY ADDS STABLE GAS ASSET (2/21) **NOG**

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## Acquisition Highlights - Deal closed on 4/1/21

- ✓ Attractive valuation – PDP + wells-in-progress PV-10 implies a PV-22 transaction
- ✓ Accretive on leverage, free cash flow, ROCE, and corporate decline
- ✓ Tangible upside with EQT taking over as operator
- ✓ Diversification of existing commodity and geography mix with addition of Appalachia exposure
- ✓ Catalyst for meaningful balance sheet improvement

## Summary Transaction Stats

- ✓ Cash Purchase Price: \$109.7 Million <sup>(1)</sup>
- ✓ PDP + wells-in-process PV-10: \$238 MM<sup>(2)</sup>
- ✓ Net Acreage: ~62,000 acres
- ✓ 3Q Production: ~73 MMcfe/d
- ✓ PDP + WIP net wells: 120.2
- ✓ Cumulative free cash flow >\$95 million 2021-2024<sup>(2)</sup>
- ✓ Transaction was funded through a \$140MM equity raise

## EQT Provides World-Class Partner

- ✓ Joint Development Agreement with a ~27% blended working interest across joint venture
- ✓ Industry-leading margins largely attributable to economies of scale
- ✓ One of region's most active operators with three rigs running in Southwest Pennsylvania <sup>(3)</sup>



Source: Enverus, Management projections, Seller data

(1) Net of closing adjustments

(2) Based on Strip pricing as of 01/20/21

(3) Rigs running in Greene and Somerset counties per Enverus as of November 1, 2021

# VERITAS ENERGY OVERVIEW



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## Transaction Summary

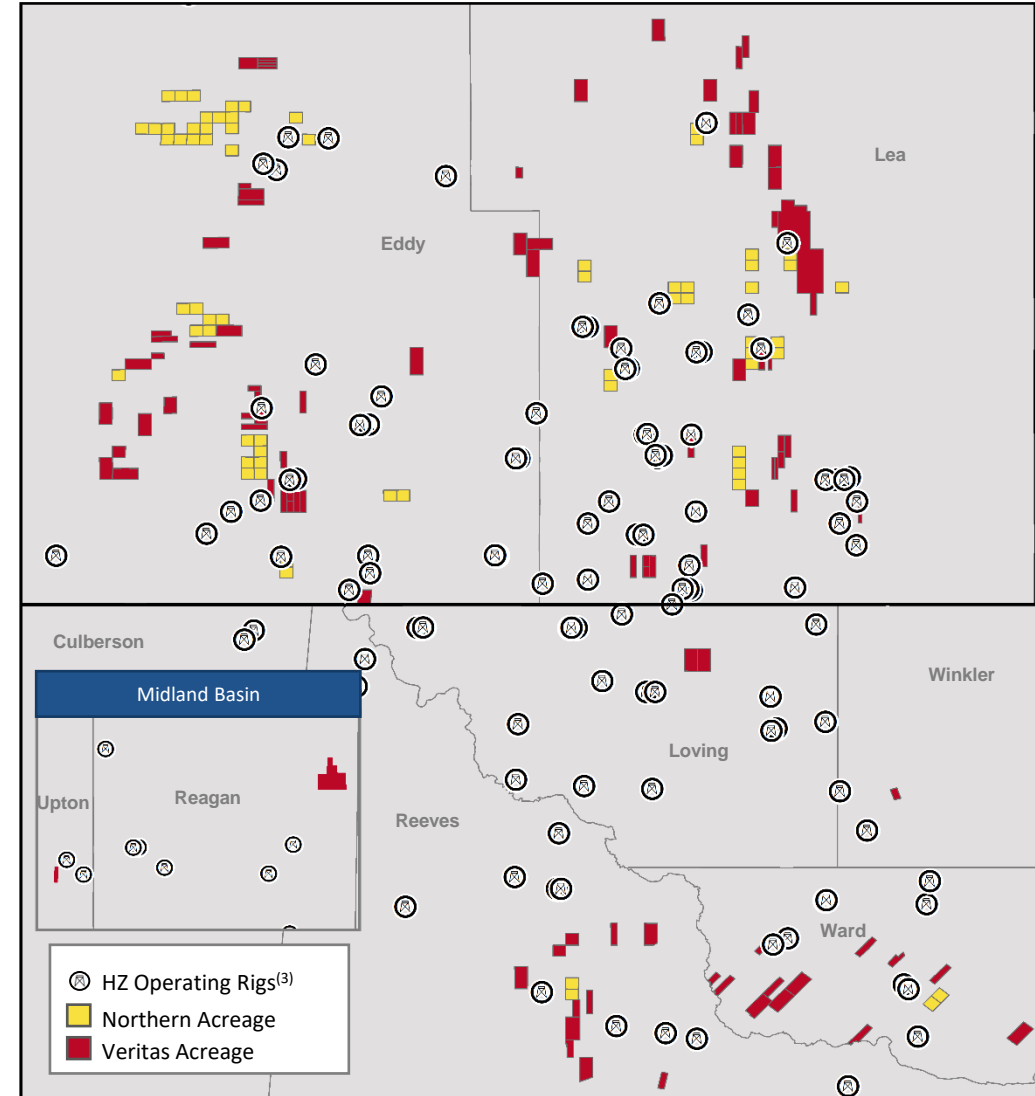
- Agreement to acquire non-operated interests in the core of the Permian Basin for a cash purchase price of \$406.5MM (the “Veritas Transaction”)
  - Effective date for the Veritas Transaction value is October 1, 2021 with expected closing in the first quarter of 2022; the Veritas Transaction is subject to customary purchase price adjustments and satisfaction of customary closing conditions

## Financing

- The Veritas Transaction is expected to be funded through a combination of equity financing, credit facility borrowings, net proceeds from Equity offering, cash on hand & 1.9 million common share warrants issued to the seller <sup>(1)</sup>

## Why Northern is Excited About the Acquisition

- Current production of ~9,100 Boe per day (2-stream basis) with an estimated proved developed PV-10 of approximately \$429MM PDP/WIP+AFE
- Significant upside associated with approximately 6,000 net acres in the Permian Basin (~70% Delaware) including over 600 risked gross undeveloped Delaware locations estimated to have project level returns >75% at current strip prices
- Transaction expected to meaningfully lower unit operating costs and expected to be significantly accretive to all material valuation metrics, highlighted by a free cash flow yield on the acquired assets of ~35% in 2022
- Leverage enhancing on a forward basis based on contemplated financings, with net leverage estimated to fall < 1.0x by mid-2022
- Management expects to submit another request to the Board of Directors to raise the quarterly dividend to \$0.12/share from \$0.08/share, which if approved would mark the third increase to NOG’s dividend since its initiation in the second quarter

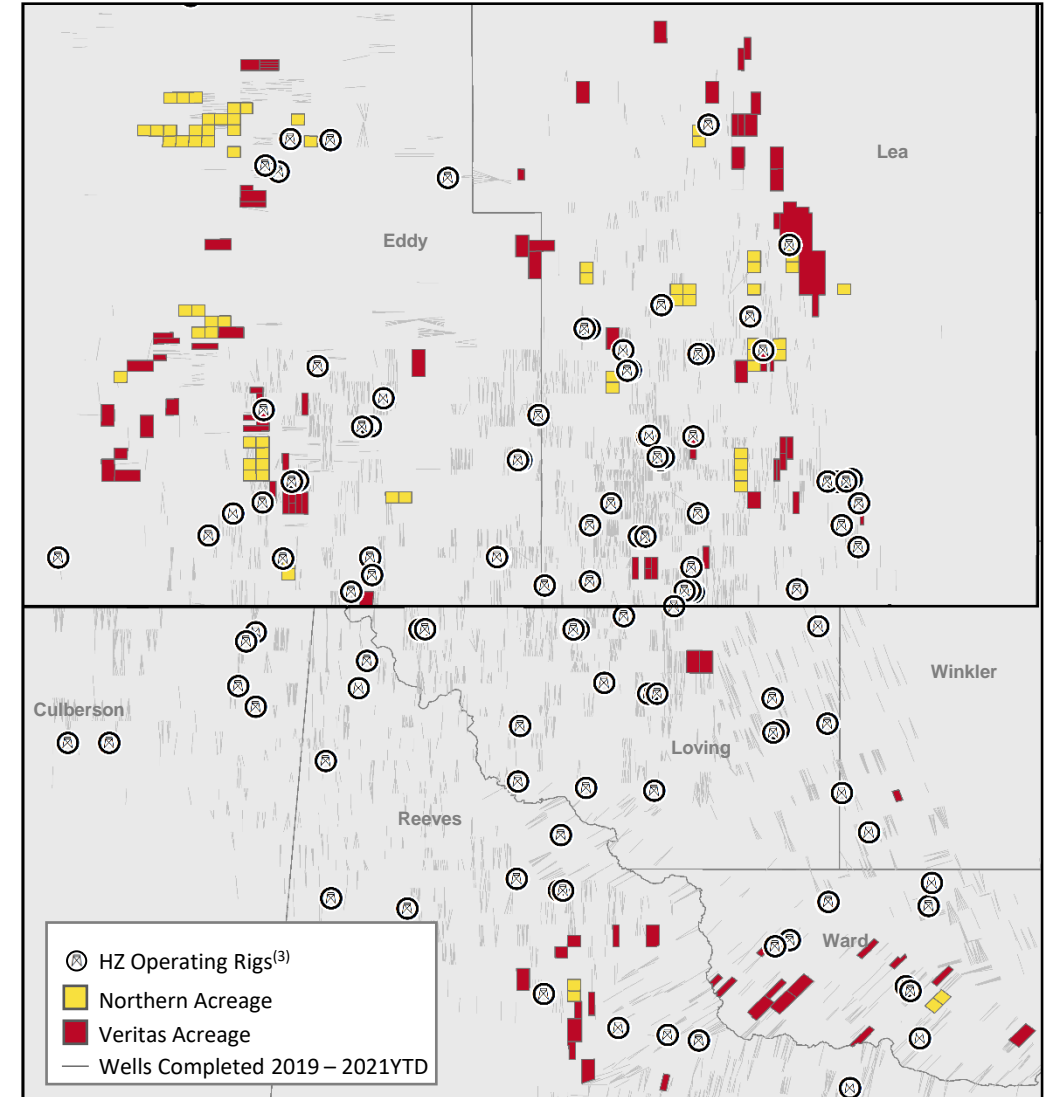
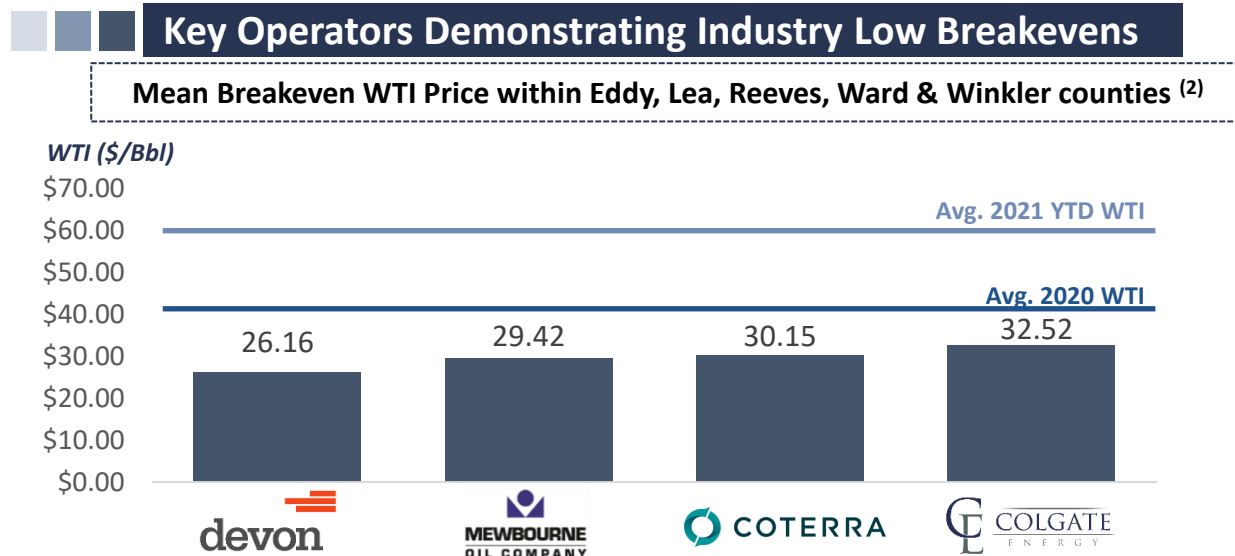
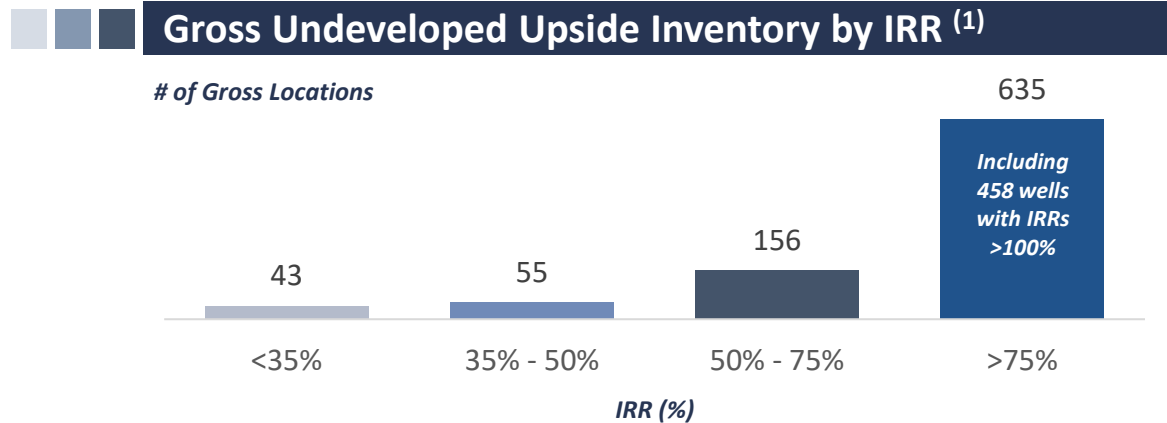


Source: Management projections, Seller data

(1) In addition to cash payment, Northern to issue Veritas 1.9 million common share warrants with an exercise price of \$28.30 (in each case, for a duration of seven years and subject to a 90 day lock-up period from and after the closing of the Veritas Transaction)

# VERITAS INVENTORY: HIGH RETURNS FROM QUALITY OPERATORS

➤ Inventory of ~45 net undrilled locations with highly attractive returns



Source: Enverus, Factset, Management projections

(1) Excludes Work in Process (WIP) wells, economics based on strip pricing as of October 8, 2021

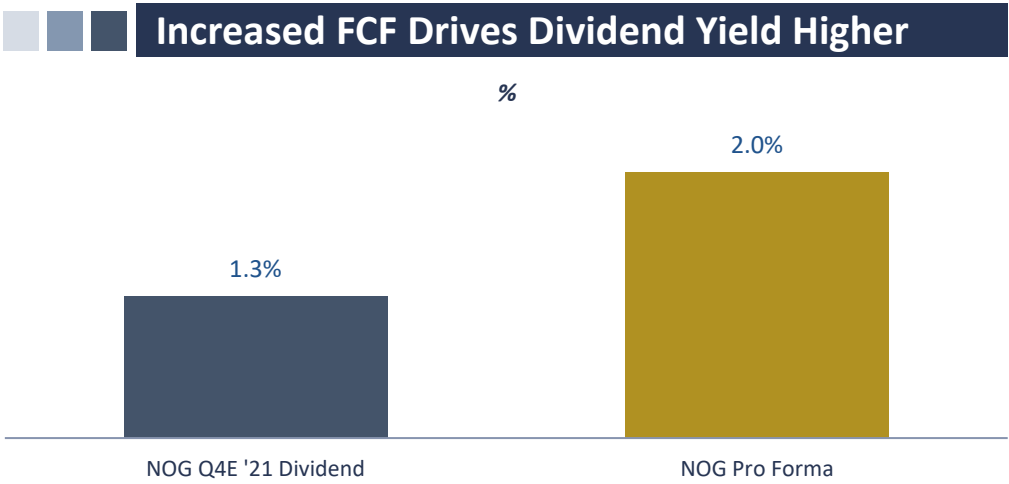
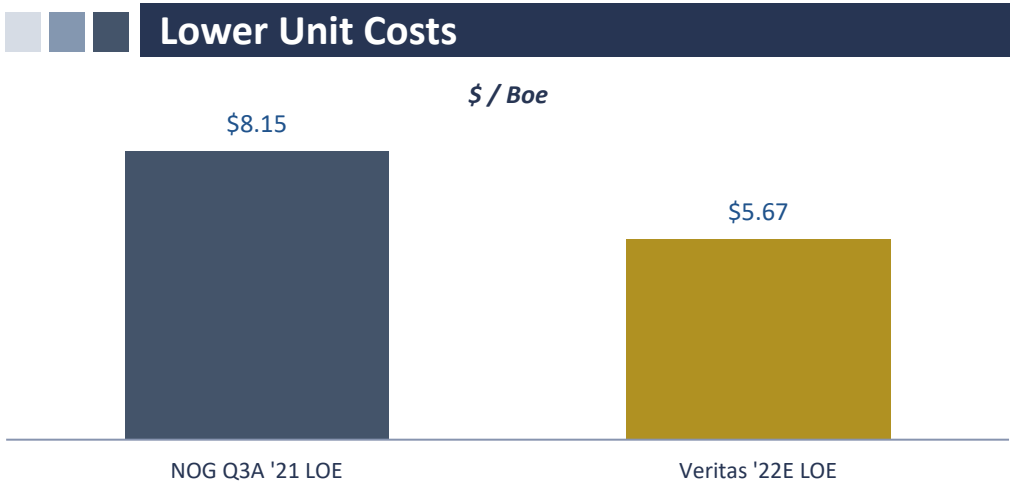
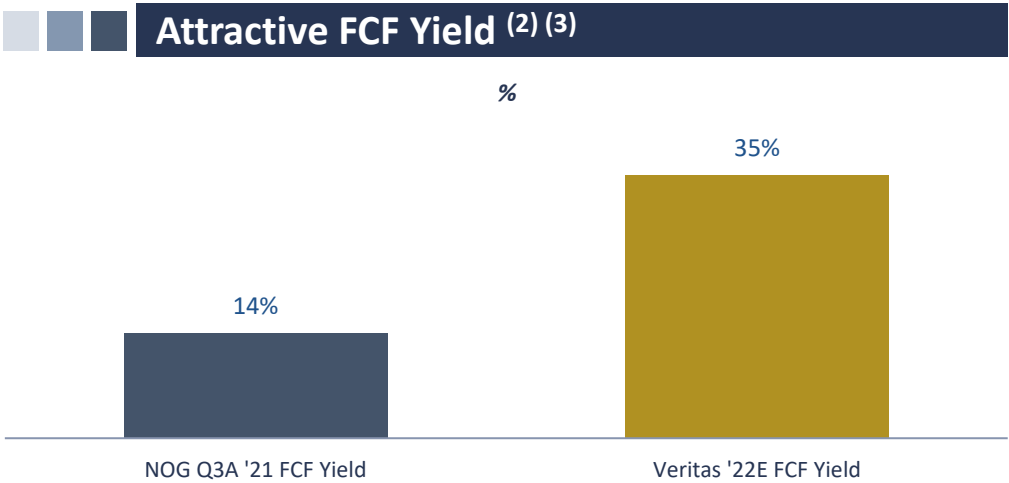
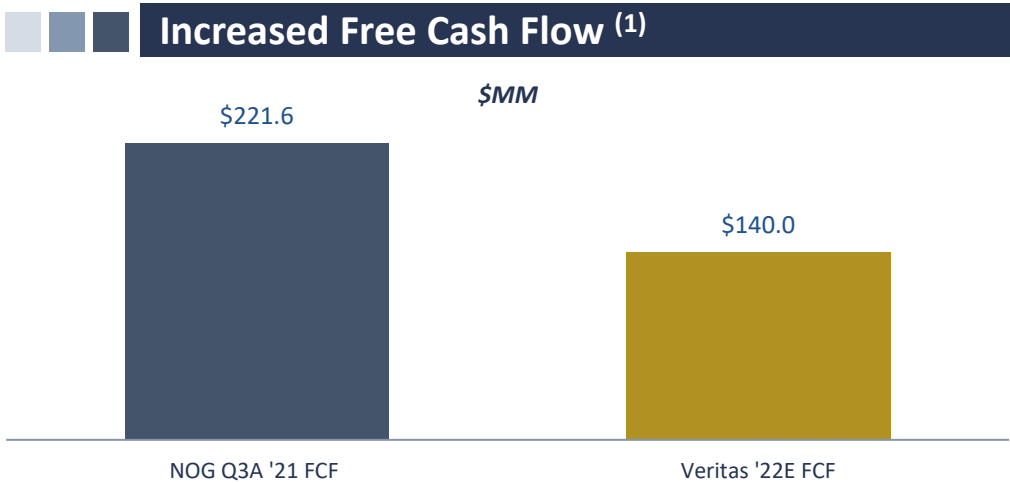
(2) As per Enverus Prism: mean well economics based on wells completed 2018 - 2021 YTD and current cost estimates at a 15:1 WTI/NYMEX ratio

(3) Current operating rigs as of November 12, 2021

# VERITAS TRANSACTION IS MEANINGFULLY ACCRETIVE



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1) Free Cash Flow may be considered non-GAAP financial measures. See Appendix for methodology and reconciliations  
2) NOG FCF yield assumes a \$24.15 share price (11/15/21 close) and 66.195MM shares (11/15/21 common outstanding), equating to a market capitalization of \$1,598MM  
3) Veritas FCF yield divides \$140 million by NOG's cash purchase price of \$406.5MM

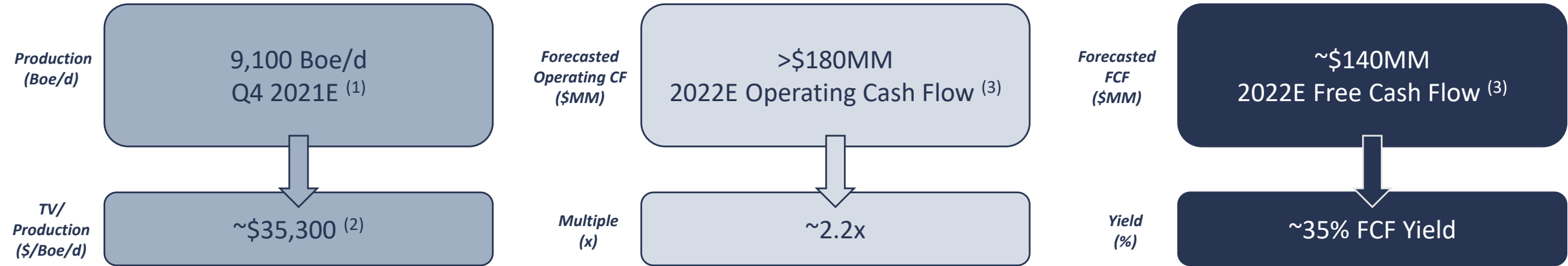


# ATTRACTIVE IMPLIED VALUATION METRICS

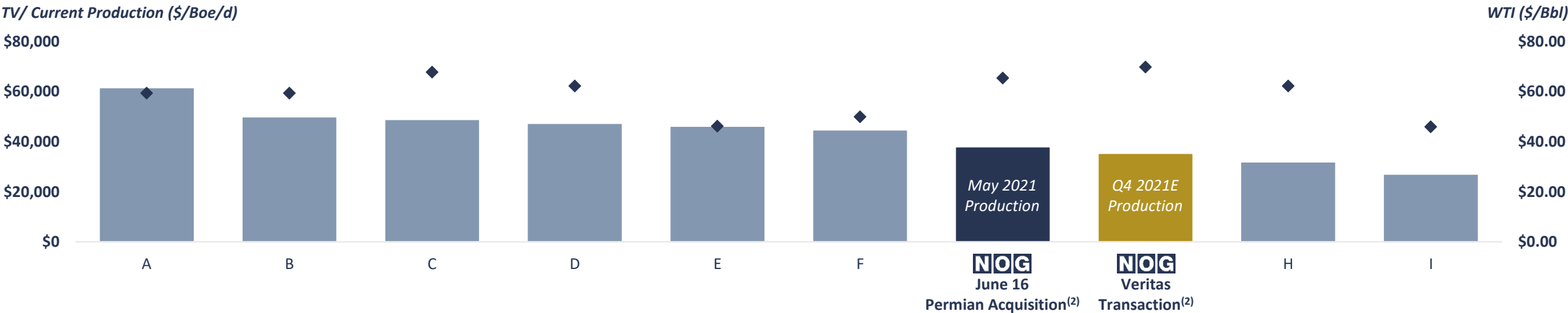


NYSE American: NOG

## Veritas Transaction Key Deal Statistics



## Select Core Permian-Focused Transaction Comparables Since 12/20 <sup>(4)</sup>



Source: Management projections, Seller data, Enverus Core, public disclosures  
(1) Two-stream production profile  
(2) Calculated using three-stream production for comparison purposes  
(3) Based on strip pricing as of November 12, 2021, assuming a October 1, 2021 closing date  
(4) Select announced core Permian-focused transactions since December 2020, transaction values >\$50MM



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# Q3:21 FINANCIAL & OPERATING HIGHLIGHTS



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## Q3 Free Cash Flow<sup>(1)</sup>

**\$55.4**MM

Record Quarterly FCF  
+22% QoQ

## Q3 Production

**57.6**Mboe/d

+98% YoY

## Strong Guidance

- ↑ 21 Production raised
- ↓ 21 CAPEX decreased
- ↓ 21 Unit costs decreased
- ↑ FCF estimate increased to >\$175MM

## + Dividend Momentum

**50%** Increase

NOG's inaugural Q2 dividend of \$0.03 increased to \$0.045 in Q3

## Q3 ROCE<sup>(1)</sup>

**18.8%**

Top-Tier Across Industry

## Q3 Recycle Ratio<sup>(1)</sup>

**3.79**x

Cash Margin  $\frac{\text{Cash Margin}}{\text{DD\&A}}$  DD\&A  
\$25.65/boe \$6.77/boe

## Q3:21 Earnings Highlights

- Record Free Cash Flow and Strong Margins and Returns**
  - Free Cash Flow.** Free cash flow hit a record \$55.4MM in Q3. NOG's Annualized Q3 FCF Yield stands at a compelling 15.6%<sup>(2)</sup>
  - Standout margins and returns<sup>(1)</sup>.** NOG's recycle ratio of 3.8x and ROCE of 18.8% highlight another quarter of stellar corporate returns
- Dividend had a 50% Boost in Q3, Poised to Grow Further**
  - Q3:21 Dividend increased to \$0.045/sh
  - Board approved an increase to \$0.08/sh in 4Q:21
- National Non-Op Model Gaining Steam**
  - Accretive Williston Acquisition<sup>(3)</sup>** \$154MM deal done at 2.6x NTM EBITDA and below PDP PV-10 of \$205MM
  - Multiple Ground Game deals closed; 10 larger A\&D deals assessed during Q
- Balance Sheet Improvements Continue**
  - \$143.3MM of FCF year to date
  - Path to zero bank debt and <1x Debt / EBITDA at current strip by YE22

(1) Free Cash Flow, Recycle Ratio and ROCE may be considered non-GAAP financial measures. See Appendix for methodology and reconciliations. We calculate ROCE with impairments added back to Total Assets

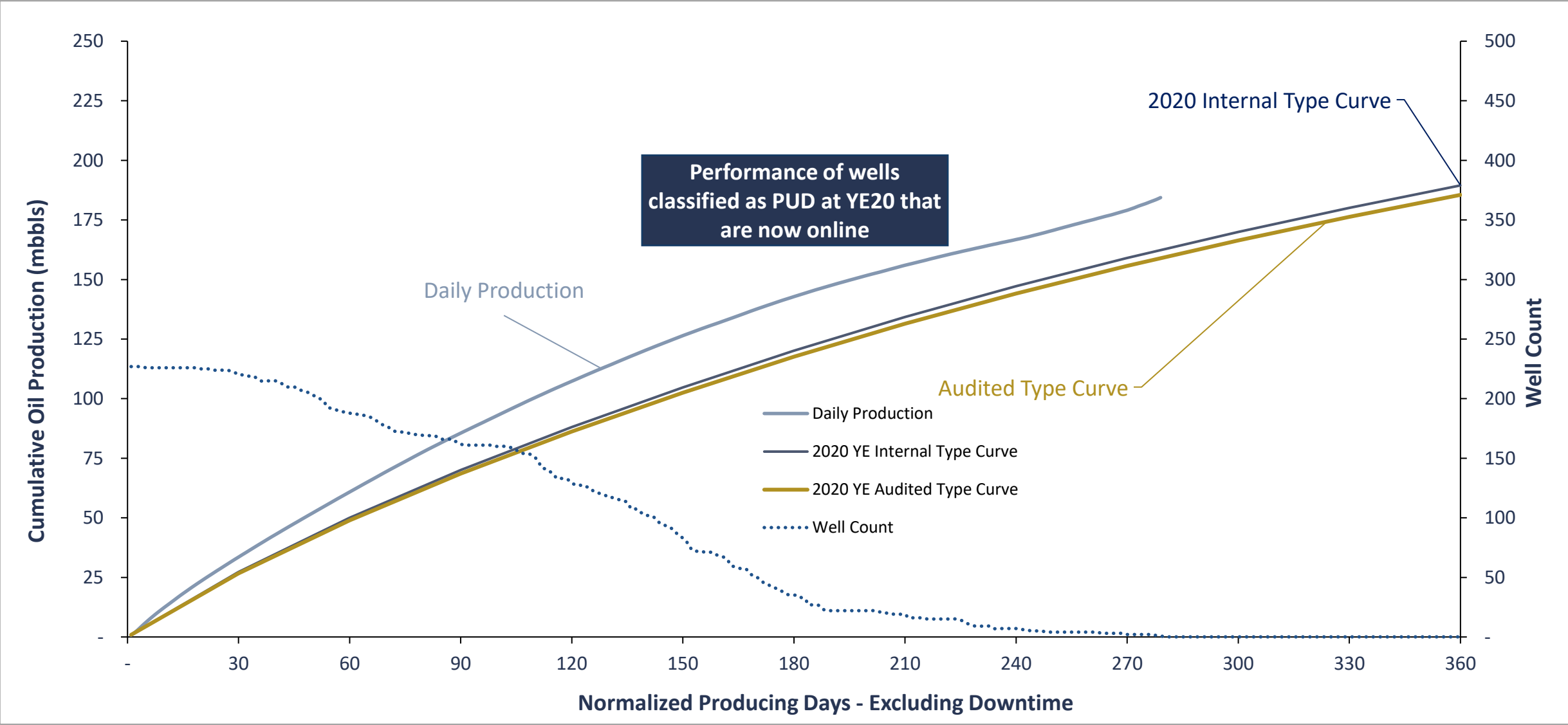
(2) FCF yield assumes a \$21.40 share price (9/30/21 close) and 66.195MM shares (11/1/21 common outstanding), equating to a market capitalization of \$1,417MM

(3) EBITDA and PDP PV-10 values as of 10/4/21 strip oil and gas prices

# EXCEPTIONAL 2021 PERFORMANCE CONTINUES



NYSE American: NOG



(1) Includes PDP wells as of September 30, 2021 classified as PDNP or PUD in yearend 2020 reserve report.

# UPDATED 2021 GUIDANCE



NYSE American: NOG

*Net/Net: Production Up; CAPEX down; Differentials Improved; Cost Structure Trending Lower*

	PRIOR	ADJUSTED	Midpoint Δ
Annual Production (Boe per day)	49,500 - 54,250	51,750 – 53,750	↑ 875*
Oil %	63 - 64%	63 - 64%	-
Total Capital Expenditures (\$MM)	\$215 - \$260	\$215 - \$250	↓ (\$5.0)
Net Wells Added to Production	38 - 40	38 - 40	-
Production Expenses (per Boe)	\$8.60 - \$8.90	\$8.60 - \$8.80	↓ (\$0.05)
Cash G&A ex one-time transaction costs (per Boe)	\$0.80 - \$0.85	\$0.80 - \$0.85	-
Non-Cash G&A (per Boe)	\$0.18	\$0.18	-
Production Taxes	9 - 10% of Sales	9 - 10% of Sales	-
Oil Differential to NYMEX WTI (per Bbl)	\$6.25 - \$7.25	\$5.75 - \$6.25	↓ (\$0.75)
Gas Realization as a Percentage of Henry Hub (per Mcf)	80 - 100%	90 - 100%	↑ 5%

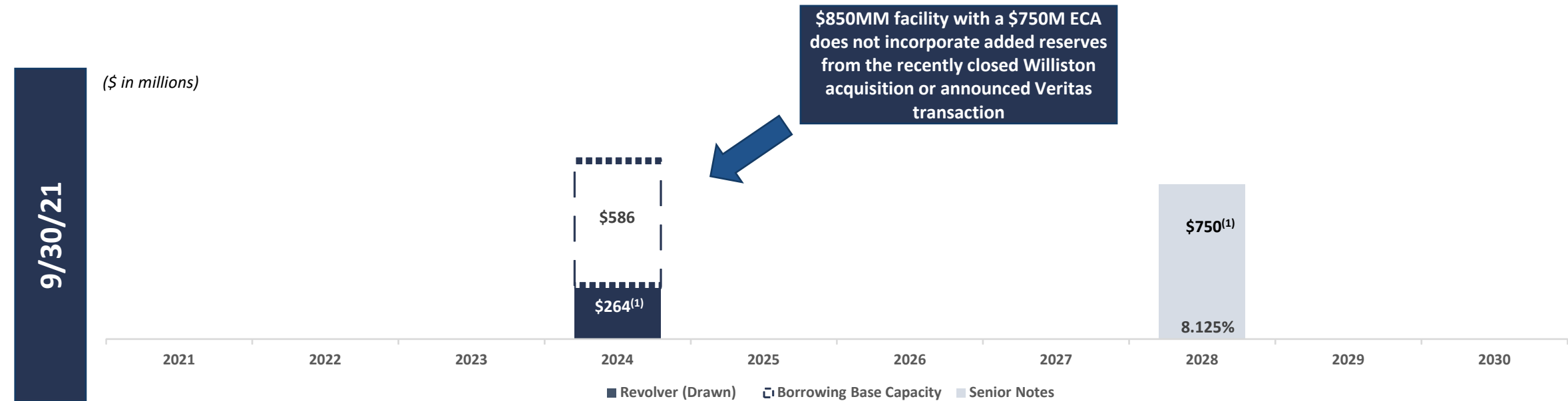
\* Comstock transaction expected to close in mid to late November 2021, with an overall increase of ~500-560 boe per day for 2021E annual production guidance

# BALANCE SHEET & LIQUIDITY ENHANCEMENT CONTINUES



NYSE American: NOG

- Ample liquidity post closing of Comstock transaction
  - Company continues to generate record Free Cash Flow
  - **Borrowing Base Expansion:** NOG’s borrowing base has grown ~30% year-to-date
  - **Williston acquisition will be additive to future redetermination periods**



(1) Balance as of 9/30/2021, pro forma for Borrowing base redetermination on 11/3/2021, closing of our HY notes offering on 11/15/21, and the closing of our CRK acquisition on 11/16/21.



## ENVIRONMENTAL

- Operators are selected for environmental and safety records
- Northern Sustainability and ESG Reporting In-Process

## SOCIAL

- NOG employees provided free health care and paid family leave
- Northern donates to several local charities in its community
- Northern currently analyzing carbon offset projects

## GOVERNANCE

- Separate CEO and Chairman roles
- Significant shareholder representation on Board (>20%)
- ~95% of executive incentive compensation in stock
- NOG cash G&A per Boe is among the lowest in the industry

# HEDGE PROFILE – SWAPS



NYSE American: NOG

- Northern continues to execute a strategy built around the safeguard of returns during a commodity down-cycle, while retaining flexibility to capture the opportunistic upside

CRUDE OIL DERIVATIVE PRICE SWAPS					NATURAL GAS DERIVATIVE PRICE SWAPS			
	Contract Period	Barrels Per Day (Bbls/d)	Total Hedged Volumes (Bbls)	Weighted Average Price (\$/Bbl)	Contract Period	Million British Thermal Units Per Day (mmbtu/d)	Total Hedged Volumes (mmbtu)	Weighted Average Price (\$/mmbtu)
2021 <sup>(1)</sup> :	Q4	25,630	2,357,956	\$55.59	Q4	95,481	8,784,210	\$2.817
	Avg./Total	25,630	2,357,956	\$55.59		95,481	8,784,210	\$2.817
2022 <sup>(1)</sup> :	Q1	29,400	2,645,980	\$60.60	Q1	79,525	7,157,291	\$3.319
	Q2	28,150	2,561,650	\$60.75	Q2	70,000	6,370,000	\$3.098
	Q3	27,825	2,559,900	\$60.02	Q3	70,000	6,440,000	\$3.102
	Q4	26,075	2,398,900	\$59.54	Q4	56,739	5,220,000	\$2.936
	Avg./Total	27,853	10,166,430	\$60.24		69,006	25,187,291	\$3.171
2023 <sup>(1)</sup> :	Q1	10,375	933,750	\$62.64	Q1	10,000	900,000	\$4.200
	Q2	7,775	707,525	\$64.24	Q2	10,000	910,000	\$3.220
	Q3	4,000	368,000	\$66.74	Q3	10,000	920,000	\$3.270
	Q4	3,800	349,600	\$66.54	Q4	10,000	920,000	\$3.465
	Avg./Total	6,463	2,358,875	\$64.34		10,000	3,650,000	\$3.536

(1) This table does not include volumes subject to swaptions, basis swaps, and call options, which could increase the amounts of volumes hedged at the option of Northern's counterparties. This table also does not include basis swaps. For additional information, see Note 11 to our financial statements included in our Form 10-Q filed with the SEC for the quarter ended September 30, 2021.

# HEDGE PROFILE – SWAPS



NYSE American: NOG

➤ *In concert with signing the Veritas acquisition, Northern entered into its first hedges in 2024 for a portion of the Veritas PDP volumes*

CRUDE OIL DERIVATIVE PRICE SWAPS					NATURAL GAS DERIVATIVE PRICE SWAPS			
	Contract Period	Barrels Per Day (Bbls/d)	Total Hedged Volumes (Bbls)	Weighted Average Price (\$/Bbl)	Contract Period	Million British Thermal Units Per Day (mmbtu/d)	Total Hedged Volumes (mmbtu)	Weighted Average Price (\$/mmbtu)
2024 <sup>(1)</sup> :	Q1	1,500	136,500	\$64.65	Q1	7,000	637,000	\$3.220
	Q2	1,500	136,500	\$64.19	Q2	7,000	637,000	\$3.220
	Q3	1,500	138,000	\$63.51	Q3	7,000	644,000	\$3.220
	Q4	1,500	138,000	\$62.96	Q4	7,000	644,000	\$3.220
	Avg./Total	1,500	549,000	\$63.82		7,000	2,562,000	\$3.220

(1) This table does not include volumes subject to swaptions, basis swaps, and call options, which could increase the amounts of volumes hedged at the option of Northern's counterparties. This table also does not include basis swaps. For additional information, see Note 11 to our financial statements included in our Form 10-Q filed with the SEC for the quarter ended September 30, 2021.

# HEDGE PROFILE – COSTLESS COLLARS



NYSE American: NOG

➤ *High seasonal volatility and steep backwardation have allowed for advantageous collar structures for natural gas hedging*

NATURAL GAS DERIVATIVE COLLARS						
	Contract Period	MMBTU Per Day (MMBTU/d)	Total Hedged Volumes (Bbls)	Weighted Average Price (\$/MMBTU) Contract Period	Price Ceiling	Price Floor
2021:	Q4	10,000	610,000	\$5.875	\$7.750	\$4.000
	Avg./Total	10,000	610,000	\$5.875	\$7.750	\$4.000
2022:	Q1	20,000	2,700,000	\$5.475	\$7.200	\$3.750
	Q2	20,000	1,820,000	\$5.275	\$6.925	\$3.625
	Q3	10,000	920,000	\$5.500	\$7.500	\$3.500
	Q4	10,000	920,000	\$5.500	\$7.500	\$3.500
	Avg./Total	14,959	6,360,000	\$5.425	\$7.563	\$3.600
2023:	Q1	10,000	900,000	\$5.500	\$7.500	\$3.500
	Avg./Total	10,000	900,000	\$5.500	\$7.500	\$3.500

# HISTORICAL OPERATING & FINANCIAL INFORMATION



NYSE American: NOG

Historical Operating Information	Years Ended December 31,					
	2017	2018	2019	2020	3Q20	3Q21
<b>Production</b>						
Oil (MBbls)	4,537.3	7,790.2	11,325.4	9,361.1	2,054.8	3,131.2
Natural Gas and NGLs (Mmcf)	5,187.9	9,224.8	16,590.8	16,473.3	3,706.9	13,034.3
Total Production (Mboe)	5,402.0	9,327.6	14,090.5	12,106.7	2,672.7	5,303.6
<b>Revenue</b>						
Realized Oil Price, including settled derivatives (\$/bbl)	\$ 45.92	\$ 54.84	\$ 54.66	\$ 52.69	\$ 55.47	\$ 52.39
Realized Natural Gas and NGL Price, including settled derivatives (\$/Mcf)	\$ 3.74	\$ 4.74	\$ 1.60	\$ 1.14	\$ 0.96	\$ 3.02
Total Oil & Gas Revenues, including settled derivatives (millions)	\$ 227.7	\$ 471.0	\$ 645.6	\$ 512.3	\$ 47.3	\$ 131.5
Adjusted EBITDA (millions) <sup>(1)</sup>	\$ 144.7	\$ 349.3	\$ 454.2	\$ 351.8	\$ 82.7	\$ 136.1
<b>Key Operating Statistics (\$/Boe)</b>						
Average Realized Price	\$ 42.16	\$ 50.50	\$ 45.82	\$ 42.32	\$ 43.97	\$ 38.34
Production Expenses	9.21	7.15	8.44	9.61	9.04	8.15
Production Taxes	3.81	4.86	4.10	2.46	2.60	3.76
General & Administrative Expenses-Cash <sup>(2)</sup>	2.38	1.15	1.11	1.19	1.39	0.78
Total Cash Costs	\$ 15.40	\$ 13.16	\$ 13.65	\$ 13.26	\$ 13.03	\$ 12.69
Operating Margin (\$/Boe)	\$ 26.76	\$ 37.34	\$ 32.17	\$ 29.06	\$ 30.94	\$ 25.65
Operating Margin %	63.5%	73.9%	70.2%	68.7%	70.4%	66.9%

Historical Financial Information (\$'s in millions)	Years Ended December 31,					
	2017	2018	2019	2020	3Q20	3Q21
<b>Assets</b>						
Current Assets	\$ 152.8	\$ 228.4	\$ 133.0	\$ 125.6	\$ 183.7	\$ 167.6
Property and Equipment, net	473.2	1,202.7	1,748.6	735.2	823.0	1,064.5
Other Assets	6.3	72.5	23.8	11.3	18.8	12.0
Total Assets	\$ 632.3	\$ 1,503.6	\$ 1,905.4	\$ 872.1	\$ 1,025.6	\$ 1,244.1
<b>Liabilities</b>						
Current Liabilities	\$ 123.6	\$ 231.5	\$ 203.5	\$ 182.5	\$ 170.5	\$ 355.2
Long-term Debt, net	979.3	830.2	1,118.2	879.8	918.3	858.4
Other Long-Term Liabilities	20.2	12.0	25.1	33.1	20.5	188.2
Stockholders' Equity (Deficit)	(490.8)	429.9	558.6	(223.3)	(83.7)	(157.7)
Total Liabilities & Stockholders' Equity (Deficit)	\$ 632.3	\$ 1,503.6	\$ 1,905.4	\$ 872.1	\$ 1,025.6	\$ 1,244.1
<b>Credit Statistics</b>						
Adjusted EBITDA (Annual, Q3 2020/21 TTM) <sup>(1)</sup>	\$ 144.7	\$ 349.3	\$ 454.2	\$ 351.8	\$ 371.7	\$ 462.0
Net Debt <sup>(1)</sup>	\$ 877.1	\$ 832.7	\$ 1,111.7	\$ 948.3	\$ 987.0	\$ 867.0
Total Debt	\$ 979.3	\$ 835.1	\$ 1,127.7	\$ 949.8	\$ 988.8	\$ 869.0
Net Debt/Adjusted EBITDA <sup>(1)</sup>	6.1x	2.4x	2.4x	2.7x	2.7x	1.9x
Total Debt/Adjusted EBITDA <sup>(1)</sup>	6.8x	2.4x	2.5x	2.7x	2.7x	1.9x

1) Adjusted EBITDA and Net Debt are non-GAAP measures. See reconciliations on the slide that follows

2) Excludes one time acquisition related expenses

# NON-GAAP RECONCILIATIONS: ADJUSTED EBITDA, CASH G&A & OTHER



NYSE American: NOG

Adjusted EBITDA by Year (in thousands)				
	2017	2018	2019	2020
Net Income (Loss)	\$ (9,194)	\$ 143,689	\$ (76,318)	\$ (906,041)
Add:				
Interest Expense	70,286	86,005	79,229	58,503
Income Tax Provision (Benefit)	(1,570)	(55)	-	(166)
Depreciation, Depletion, Amortization and Accretion	59,500	119,780	210,201	162,120
Impairment of Oil and Natural Gas Properties	-	-	-	1,066,668
Impairment of Other Current Assets	-	-	6,398	-
Non-Cash Share Based Compensation	6,107	3,876	7,954	4,119
Write-off of Debt Issuance Costs	95	-	-	1,543
(Gain) Loss on the Extinguishment of Debt	993	173,430	23,187	3,718
Debt Exchange Derivative (Gain) Loss	-	598	(1,390)	-
Contingent Consideration (Gain) Loss	-	28,968	29,512	169
Severance - Cash	-	-	759	-
Financing Expense	-	884	1,447	-
(Gain) Loss on Unsettled Interest Rate Derivatives	-	-	-	1,019
(Gain) Loss on Unsettled Commodity Derivatives	18,443	(207,892)	173,214	(39,878)
Adjusted EBITDA	\$ 144,660	\$ 349,283	\$ 454,193	\$ 351,774

Adjusted EBITDA by Quarter (in thousands)								
	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21
Net Income (Loss)	\$ (107,937)	\$ 368,286	\$ (899,200)	\$ (233,060)	\$ (142,123)	\$ (90,357)	\$ (90,563)	\$ 12,553
Add:								
Interest Expense	20,393	16,551	13,957	14,693	13,358	13,510	15,024	14,586
Income Tax Provision (Benefit)	-	(166)	-	-	-	-	-	-
Depreciation, Depletion, Amortization and Accretion	63,411	61,809	36,756	30,786	32,769	31,221	30,908	35,885
Impairment of Oil and Natural Gas Properties	-	-	762,716	199,489	104,463	-	-	-
Impairment of Other Current Assets	(1,571)	-	-	-	-	-	-	-
Non-Cash Share Based Compensation	3,674	1,078	1,214	890	936	768	779	699
Write-off of Debt Issuance Costs	-	-	-	1,543	-	-	-	-
(Gain) Loss on the Extinguishment of Debt	22,762	5,527	(217)	(1,592)	-	12,594	494	-
Debt Exchange Derivative (Gain) Loss	-	-	-	-	-	-	-	-
Contingent Consideration (Gain) Loss	879	-	-	-	168	125	250	(82)
Severance - Cash	759	-	-	-	-	-	-	-
Financing Expense	1,447	-	-	-	-	-	-	-
Acquisition Transaction Costs	-	-	-	-	-	2,511	3,016	677
(Gain) Loss on Unsettled Interest Rate Derivatives	-	677	752	(224)	(186)	(240)	(121)	(92)
(Gain) Loss on Unsettled Commodity Derivatives	110,408	(345,075)	150,077	70,198	84,923	128,638	173,057	71,845
Adjusted EBITDA	\$ 114,225	\$ 108,687	\$ 66,055	\$ 82,723	\$ 94,308	\$ 98,770	\$ 132,844	\$ 136,071

Other Non-GAAP Metrics by Quarter (in thousands)								
	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21
General & Administrative Expenses-Cash <sup>(1)</sup>	\$ 4,443	\$ 3,792	\$ 3,495	\$ 3,716	\$ 3,425	\$ 3,502	\$ 3,810	\$ 4,115
Non-cash General and Administrative Expense	3,674	1,079	1,214	889	936	769	779	699
Total General and Administrative Expense	\$ 8,117	\$ 4,871	\$ 4,709	\$ 4,605	\$ 4,361	\$ 4,271	\$ 4,589	\$ 4,814
Net Production (Boe)	4,043	3,980	2,166	2,673	3,288	3,458	4,971	5,304
Cash General and Administrative Expense per Boe <sup>(1)</sup>	\$ 1.10	\$ 0.95	\$ 1.61	\$ 1.39	\$ 1.04	\$ 1.01	\$ 0.77	\$ 0.78
Non-cash General and Administrative Expense per Boe	\$ 0.91	\$ 0.27	\$ 0.56	\$ 0.33	\$ 0.29	\$ 0.22	\$ 0.16	\$ 0.14
Total Principal Balance on Debt	\$ 1,127,733	\$ 1,047,489	\$ 995,287	\$ 988,755	\$ 949,755	\$ 828,669	\$ 813,000	\$ 869,000
Less: Cash and Cash Equivalents	(16,068)	(8,512)	(1,838)	(1,803)	(1,428)	(2,729)	(4,843)	(2,006)
Net Debt	\$ 1,111,665	\$ 1,038,977	\$ 993,449	\$ 986,952	\$ 948,327	\$ 825,940	\$ 808,157	\$ 866,994

(1) Excludes one time acquisition related expenses

Note: Adjusted EBITDA is a non-GAAP measure



# NON-GAAP RECONCILIATIONS: ROCE & RECYCLE RATIO



NYSE American: NOG

## Q3:21 Return on Capital Employed (ROCE)

EBIT

÷

Capital  
Employed

=

46.0%

- EBIT: \$400.8MM (Q3:21 annualized)
  - + Adj. EBITDA: \$136.1MM
  - - DD&A: \$35.9MM
- Capital Employed: \$872.0MM (Avg. of Q3:20/21)
  - + Total Assets: \$1,134.8MM (Avg.)
  - - Current Liabilities: \$262.8MM (Avg.)

## Q3:21 Return on Capital Employed (ROCE) - Adjusted to exclude LTM impairment charges

EBIT

÷

Capital  
Employed

=

18.8%

- EBIT: \$324.2MM (Q3:21 annualized)
  - + Adj. EBITDA: \$136.1MM
  - - DD&A: \$55.0MM
- Capital Employed: \$1,725.2MM (Avg. of Q3:20/21)
  - + Total Assets: \$1,988.0MM (Avg.)
  - - Current Liabilities: \$262.8MM (Avg.)

## Q3:21 Recycle Ratio

Cash Margin

÷

DD&A

=

3.8x

- Cash Margin: \$25.65/boe
  - + Realized avg. commodity price: \$38.34/boe
  - - Cash Costs: \$12.69/boe<sup>(1)</sup>
- DD&A Rate: \$6.77/boe

(1) Incorporates Adjusted Cash G&A of \$0.78/boe, which excludes acquisition related expenses  
Note: Adjusted EBITDA is a non-GAAP measure. Numbers may be off due to rounding

# NON-GAAP RECONCILIATIONS: FREE CASH FLOW



NYSE American: NOG

## Free Cash Flow (FCF)

(in thousands)	<u>1Q21</u>	<u>2Q21</u>	<u>3Q21</u>	<u>YTDQ321</u>
Net Cash Provided by Operating Activities	\$ 62,766	\$ 106,186	\$ 94,413	\$ 263,365
Exclude: Changes in Working Capital and Other Items	20,814	12,204	27,888	60,906
Less: Capital Expenditures <sup>(1)</sup>	(38,085)	(68,445)	(63,278)	(169,808)
Less: Series A Preferred Dividends	(3,830)	(3,719)	(3,605)	(11,154)
Free Cash Flow	\$ 41,665	\$ 46,226	\$ 55,418	\$ 143,309

<sup>(1)</sup> Capital Expenditures are calculated as follows:

Cash Paid for Capital Expenditures	\$ 52,672	\$ 169,679	\$ 163,120	\$ 385,471
Less: Non-Budgeted Acquisitions	(17,500)	(119,207)	(106,197)	(242,904)
Plus: Change in Accrued Capital Expenditures and Other	2,913	17,973	6,355	27,241
Capital Expenditures	\$ 38,085	\$ 68,445	\$ 63,278	\$ 169,808

## Forward-Looking Statements

This presentation contains forward-looking statements regarding future events and future results that are subject to the safe harbors created under the Securities Act of 1933, as amended (the “Securities Act”), and the Securities Exchange Act of 1934, as amended (the “Exchange Act”). All statements other than statements of historical facts included in this presentation regarding Northern Oil and Gas, Inc.’s (“Northern,” “we,” “us” or “our”) financial position, business strategy, plans and objectives of management for future operations, industry conditions, indebtedness covenant compliance capital expenditures, production, cash flow, the borrowing base under Northern’s revolving credit facility and impairment are forward-looking statements. When used in this presentation, forward-looking statements are generally accompanied by terms or phrases such as “estimate,” “project,” “predict,” “believe,” “expect,” “continue,” “anticipate,” “target,” “could,” “plan,” “intend,” “seek,” “goal,” “will,” “should,” “may” or other words and similar expressions that convey the uncertainty of future events or outcomes. Items contemplating or making assumptions about actual or potential future sales, market size, collaborations, and trends or operating results also constitute such forward-looking statements.

Forward-looking statements involve inherent risks and uncertainties, and important factors (many of which are beyond our company’s control) that could cause actual results to differ materially from those set forth in the forward-looking statements, including the following: changes in crude oil and natural gas prices; the pace of drilling and completions activity on Northern’s properties and properties pending acquisition; the effects of the COVID-19 pandemic and related economic slowdown; Northern’s ability to acquire additional development opportunities; the projected capital efficiency savings and other operating efficiencies and synergies resulting from Northern’s acquisition transactions; integration and benefits of property acquisitions, or the effects of such acquisitions on Northern’s cash position and levels of indebtedness; changes in Northern’s reserves estimates or the value thereof; general economic or industry conditions, nationally and/or in the communities in which Northern conducts business; changes in the interest rate environment, legislation or regulatory requirements; conditions of the securities markets; Northern’s ability to consummate any pending acquisition transactions; other risks and uncertainties related to the closing of pending acquisition transactions; Northern’s ability to raise or access capital; changes in accounting principles, policies or guidelines; and financial or political instability, acts of war or terrorism, and other economic, competitive, governmental, regulatory and technical factors affecting Northern’s operations, products, services and prices. Additional information concerning potential factors that could affect future financial results is included in the section entitled “Item 1A. Risk Factors” and other sections of Northern’s most recent Annual Report on Form 10-K and subsequent Quarterly Reports on Form 10-Q, as updated from time to time in amendments and subsequent reports filed with the SEC, which describe factors that could cause Northern’s actual results to differ from those set forth in the forward-looking statements.

Northern has based these forward-looking statements on its current expectations and assumptions about future events. While management considers these expectations and assumptions to be reasonable, they are inherently subject to significant business, economic, competitive, regulatory and other risks, contingencies and uncertainties, most of which are difficult to predict and many of which are beyond Northern’s control. You are urged not to place undue reliance on these forward-looking statements, which speak only as of the date they are made. Except as may be required by applicable law or regulation, Northern does not undertake, and specifically disclaims, any obligation to update any forward-looking statements to reflect events or circumstances occurring after the date of such statements.

## Industry and Marketing Data

Although all information and opinions expressed in this presentation, including market data and other statistical information (including estimates and projections relating to addressable markets), were obtained from sources believed to be reliable and are included in good faith, Northern has not independently verified the information and makes no representation or warranty, express or implied, as to its accuracy or completeness. Some data is also based on the good faith estimates of Northern, which are derived from its review of internal sources as well as the independent sources described above. This presentation contains preliminary information only, is subject to change at any time and, is not, and should not be assumed to be, complete or to constitute all the information necessary to adequately make an informed decision regarding your engagement with Northern. While Northern is not aware of any misstatements regarding the industry and market data presented in this presentation, such data involve risks and uncertainties and are subject to change based on various factors, including those factors discussed under “Forward-Looking Statements” above. Northern has no intention and undertakes no obligation to update or revise any such information or data, whether as a result of new information, future events or otherwise, except as required by law.

## Non-GAAP

This presentation includes certain financial measures that are not calculated in accordance with U.S. generally accepted accounting principles (“GAAP”). These measures include (i) EBIT, (ii) Adjusted EBITDA, (iii) Net Debt, (iv) Return on Capital Employed (“ROCE”), (v) Recycle Ratio and (vi) Free Cash Flow. These non-GAAP financial measures are not measures of financial performance prepared or presented in accordance with GAAP and may exclude items that are significant in understanding and assessing our financial results. Therefore, these measures should not be considered in isolation, and users of any such information should not place undue reliance thereon. Please refer to the slides titled “Non-GAAP Reconciliations: Adjusted EBITDA & Other,” “Non-GAAP Reconciliations: ROCE & Recycle Ratio,” “Non-GAAP Reconciliations: Free Cash Flow” under the Appendix to this presentation for a reconciliation of these measures to the most directly comparable GAAP measures and Northern’s definitions (which may be materially different than similarly titled measures used by other companies) of these measures as well as certain additional information regarding these measures. Northern believes the presentation of these metrics may be useful to investors because it supplements investors’ understanding of its operating performance by providing information regarding its ongoing performance that excludes items it believes do not directly affect its core operations.