



CENTENNIAL

Core Oil

Delaware Basin Pure-Play

***Tudor, Pickering, Holt & Co.
Hotter 'N Hell Conference***

June 20 – 22, 2017



Important Information

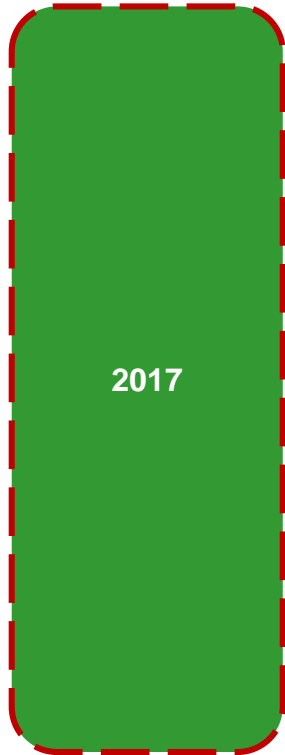
Forward-Looking Statements

The information in this presentation includes “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 our strategy, future operations, financial position, estimated revenues and losses, projected costs, prospects, plans and objectives of management are forward-looking statements. When used in this presentation, the words “could,” “believe,” “anticipate,” “intend,” “estimate,” “expect,” “project” 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 based on management’s current expectations and assumptions about future events and are based on currently available information as to the outcome and timing of future events. We caution you that these forward-looking statements are subject to all of the risks and uncertainties, most of which are difficult to predict and many of which are beyond our control, incident to the development, production, gathering and sale of oil and natural gas. These risks include, but are not limited to, commodity price volatility, inflation, lack of availability of drilling and production equipment and services, environmental risks, drilling and other operating risks, regulatory changes, the uncertainty inherent in estimating reserves and in projecting future rates of production, cash flow and access to capital, the timing of development expenditures and the other risks described in our filings with the Securities and Exchange Commission. 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 events or circumstances after the date of this presentation.

Centennial 2020 Game Plan

Delivering investor returns through operational outperformance

Objective: Best equity performance of any U.S. Mid-Cap E&P through 2020



2017

2018

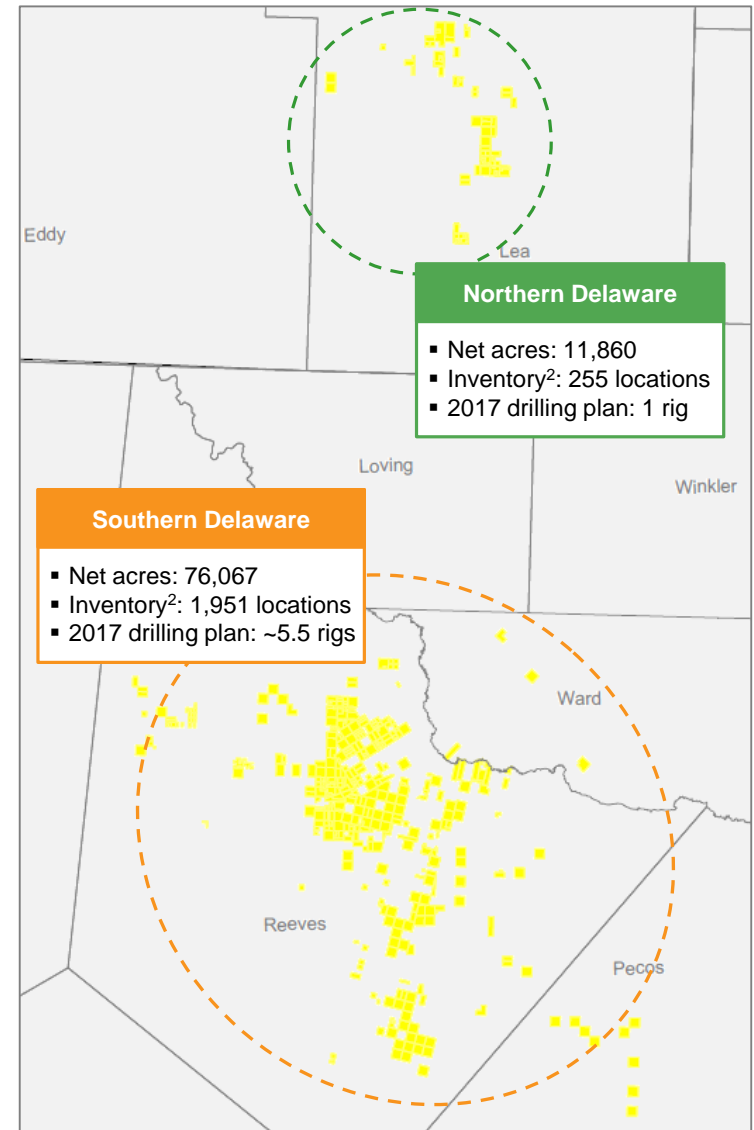
2020

- Grow net oil production from 5,757 Bo/d in 2016 to 60,000 by 2020
- Become mid-cap technical leader in G&G and well completion technology
- Achieve above average competence in drilling technology
- Evaluate Bone Spring Shale prospectivity across Reeves County acreage
- Maintain one of the lowest net debt positions of all U.S. E&P companies
- Maintain clear, easy to understand financials
- Target up to \$50-\$70 million per year spend for acreage acquisitions
- Achieve lowest unit costs among peers – LOE and G&A
- Achieve 60,000 Bo/d average annual oil production

Centennial Resource Development Overview

Core Delaware Basin pure-play

- Large, contiguous acreage positions located in oil-window of Delaware Basin
 - ~88,000 net acres⁽¹⁾
 - 84% operated
- Low-risk, oil-rich base with rapid growth potential
 - Four-year oil production CAGR of ~80% (2016 – 2020)
- ~2,200 gross horizontal drilling locations^(1,2)
 - ~1,400 operated locations
 - Assumes 880' spacing
- Strong balance sheet provides significant financial flexibility
 - No debt outstanding and \$55MM in cash at Q1'17



(1) As of 12/31/2016 plus incremental GMT acquisition acreage / inventory
(2) Represents gross horizontal drilling locations; for legacy Centennial assumes credit for the Upper and Lower Wolfcamp A, Wolfcamp B, Wolfcamp C and 3rd Bone Spring Sand; assumes no locations in Pecos County; for GMT assumes credit for the Avalon Shale, 2nd Bone Spring Sand, 3rd Bone Spring Sand and Wolfcamp A

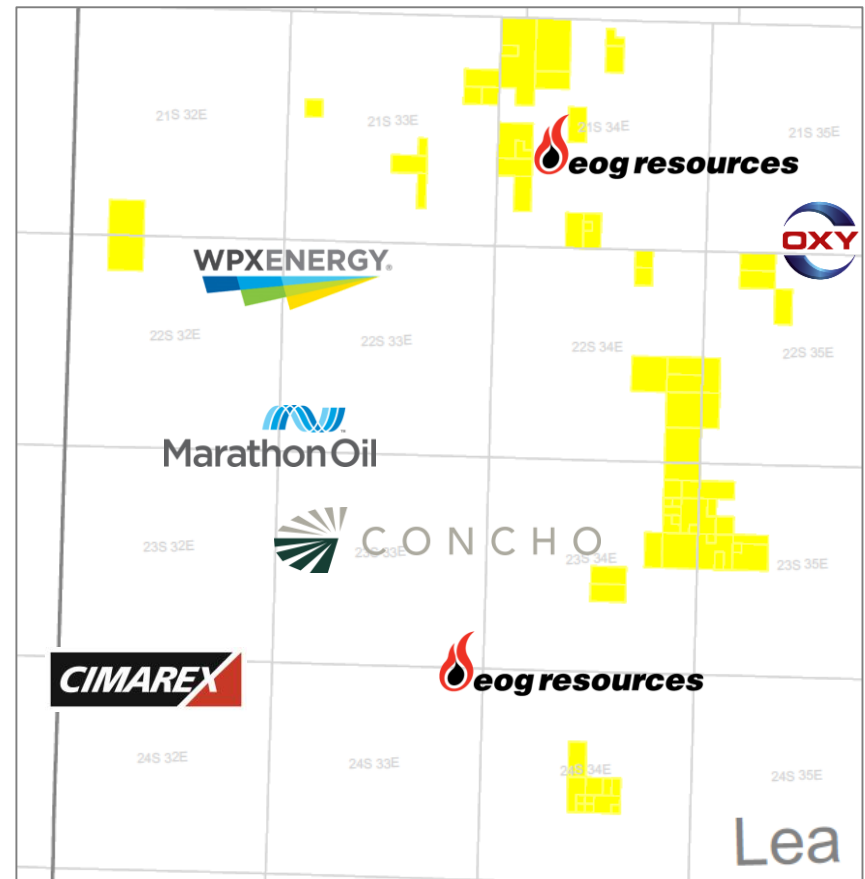
GMT Exploration Acquisition

Strategic entry into core, liquids-rich Northern Delaware Basin

GMT Acquisition Summary

- 11,860 net acre Northern Delaware Basin position in Lea County, New Mexico
 - 79% operated with 85% average working interest
 - 77% State Lands, 19% Federal and 4% Fee
 - Acquisition closed on June 8, 2017
- Contiguous operated acreage position with oil-weighted production (77% oil)⁽¹⁾
- ~4,500 vertical feet of proven, geo-pressured pay zone, extending from the Avalon to the Wolfcamp
- Acreage located in an area with excellent offset results and directly north of the prolific Red Hills area
 - Largest non-operated partners include EOG Resources and Concho Resources

GMT Acreage and Offset Operators

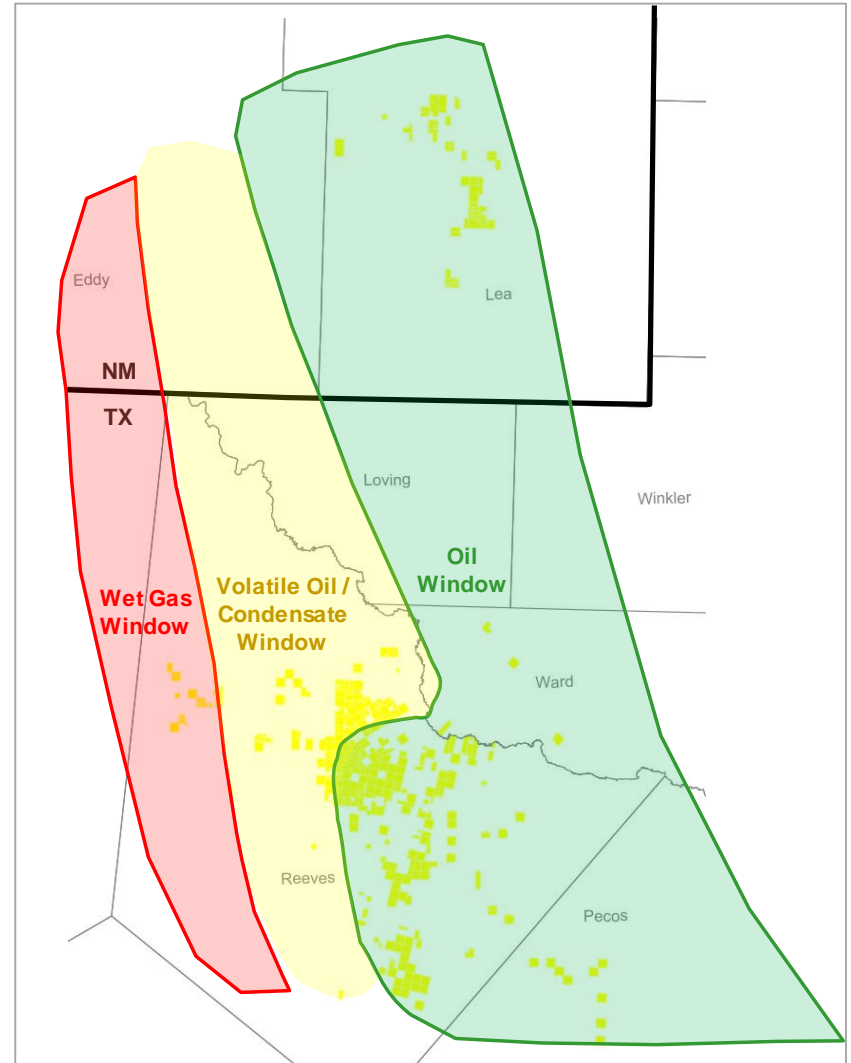


Well Delineated, Liquids-Rich Position

CDEV located in the sweet-spot of both Northern and Southern Delaware Basins

- Centennial acreage primarily located in the oil window of the Delaware Basin
- 7+ proven zones with potential upside from 4 additional zones
- Technical team focused on extending and proving the Bone Spring play to the South and the Wolfcamp play to the North
- Bone Spring zone to be tested in Reeves County by year-end 2017

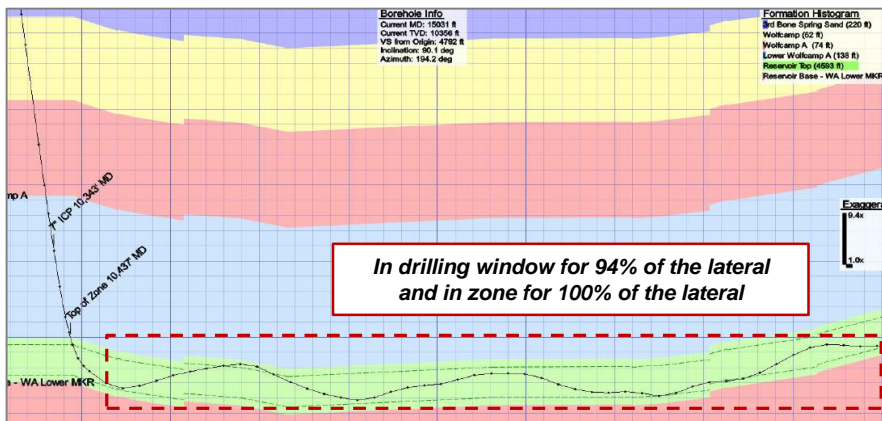
Wolfcamp Reservoir Fluid Trend



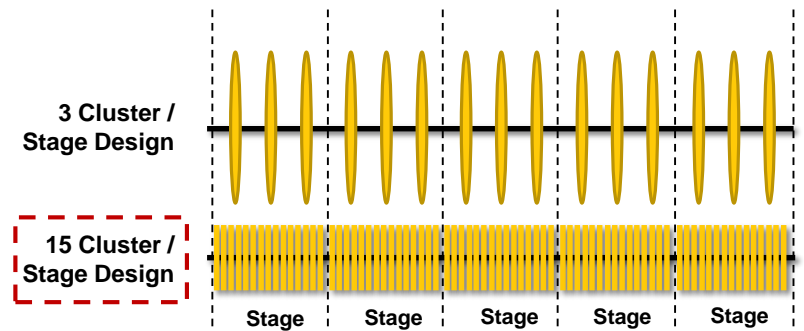
Delivering on Goal of Becoming Technical Leader

- Recent advancements in geo-steering and enhanced completion designs have improved well performance and produced more consistent results
- Remained in target drilling zone for 93% of total lateral feet drilled during Q1'17
 - Represents significant increase compared to wells drilled in previous quarters
 - Drives more efficient analysis of results and stronger well performance
- Significantly increased number of clusters per stage from 3 clusters per stage up to 15 clusters per stage
 - Improves stimulation and overall well productivity
 - Reduction in total stages results in meaningful completion cost savings

Sample Cross-Section: (4,650' Lateral Length)



Cluster Design Evolution

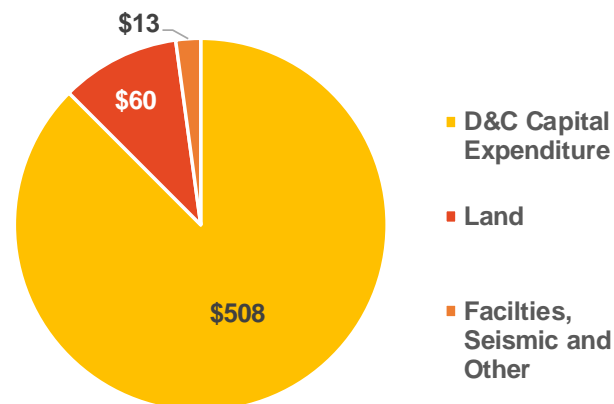


2017 Guidance Summary

Delivering on Centennial's 2020 Game Plan

- Expect to deliver peer-leading production growth in 2017
 - ~175% increase in **oil** production to 15,750 Bo/d⁽¹⁾
 - >200% increase in **total** production to 25,750 Boe/d⁽¹⁾
- Achieved Q1'17 net oil production of ~10,500 Bo/d
 - Compares to 6,378 Bo/d during the period from October 11 – December 31, 2016⁽²⁾
- Added sixth rig in Reeves County in June and plan to add a seventh rig in Lea County in August
 - Significant increase from average of one rig in Q3'16
- Expect to drill and complete 65 – 75 wells

2017 Capital Expenditure Budget (\$535MM – \$625MM)⁽¹⁾



2017 Cost Guidance

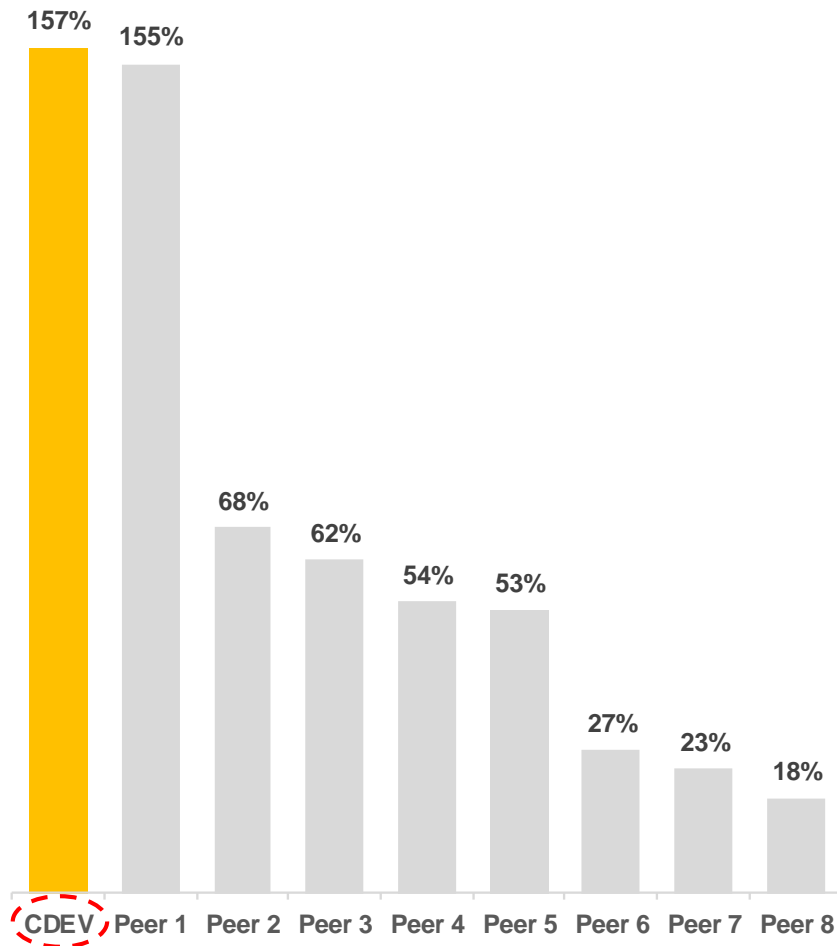
Production Costs (per Boe)	2017 FY Guidance	
	Low	High
Lease Operating	(\$3.25)	(\$3.75)
Transportation, Processing, Gathering and Other	(\$3.10)	(\$3.60)
DD&A	(\$18.00)	(\$20.00)
Cash General and Administrative	(\$3.00)	(\$3.75)
Severance and Ad Valorem Taxes (% of revenue)	6%	8%

On-Track to Deliver 60,000 Bo/d Average Annual Oil Production in 2020, Representing 4-Year CAGR of ~80%

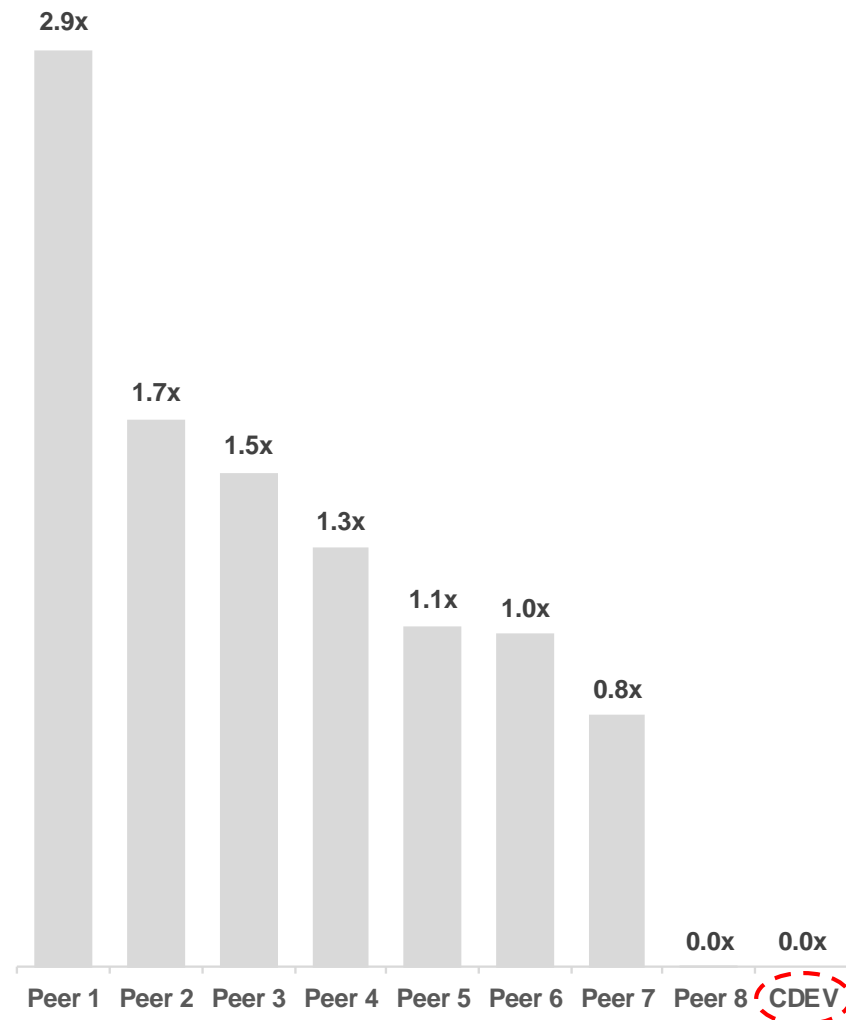
(1) Represents the mid-point of 2017 guidance range.
 (2) Average oil production for the "Successor 2016 period".

Centennial Provides Investors with Peer Leading Growth Combined with Best-In-Class Leverage Metrics

2-Year Est. Total Production CAGR (2016-2018)⁽¹⁾



Net Debt / 2017E Adjusted EBITDAX⁽²⁾



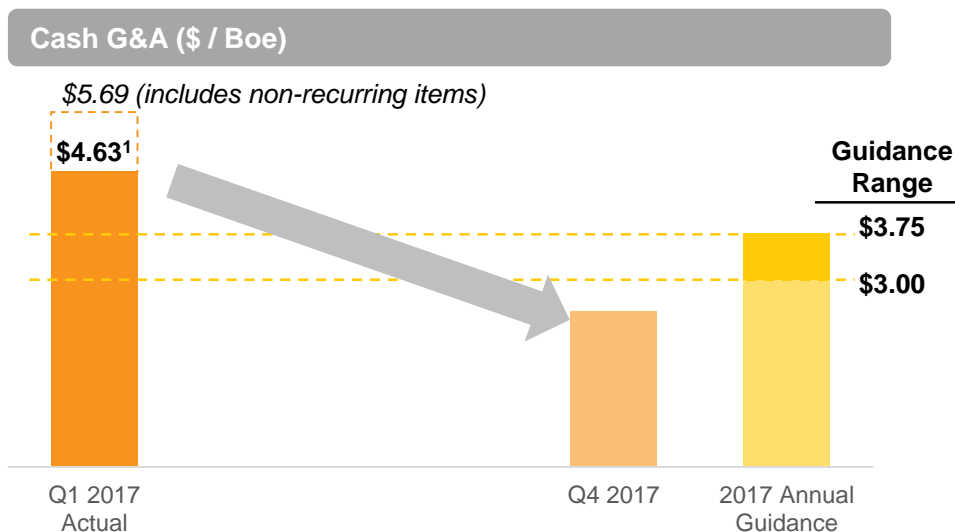
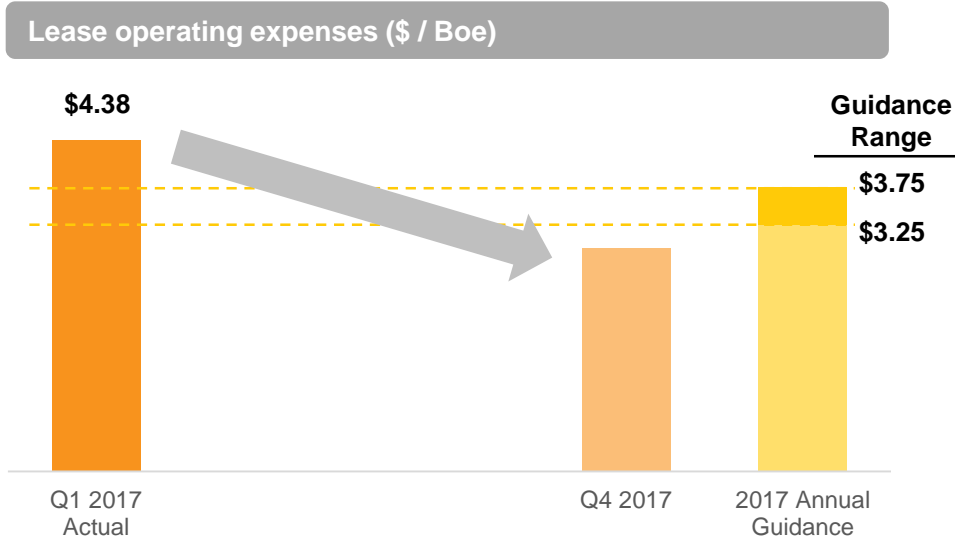
Note: Peer group includes: CPE, CXO, EGN, FANG, JAG, LPI, PE, and RSPP.

(1) Source: Nasdaq IR Insight. Utilizes 2016 actual production and consensus 2018 estimates. Estimates as of 5/31/17.

(2) Peer data as of 3/31/17; Pro forma for capital markets and A&D activity post 3/31/17. Other companies may calculate Adjusted EBITDAX differently and, therefore, Centennial's Adjusted EBITDAX may not be directly comparable to similarly titled measures of other companies.

Rapid Production Growth Drives Unit Costs Lower

- LOE and cash G&A for FY 2017 remain in-line with public guidance on a per unit basis due to projected declines throughout the year
- Declining unit costs driven by increased development activity and significant production growth
 - Expect to increase total production >200% in 2017
- Q1'17 G&A includes multiple non-recurring items related to the Silverback acquisition and other employee related matters
- Centennial technical team highly focused on operational efficiency and cost synergy realization in the field



(1) Adjusted per-unit cash G&A equal to total cash G&A number less ~\$1.8mm in one-time / non-recurring charges

The Centennial Strategy

Delivering shareholder returns:



Best-in-class production growth

High quality assets in one of the world's premier basins

Technical leadership in mid-cap space

Upside associated with Avalon and Bone Spring shales

Target lowest unit costs versus Permian peers

Maintain one of the lowest net debt positions versus other E&Ps

Long-term focus on GAAP earnings