The original Santa Rita equipment is now a permanent exhibit on the Austin Campus of the University of Texas.

SANTA RITA TAPS PERMIAN BASIN
Santa Rita #1 (Reagan County), discovery well in 1923

Pictures sourced from American Oil & Gas Historical Society

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PERMIAN KEY MESSAGES
Focus and Efficiency Driving Quality Returns

• Top tier asset
  - 146,000 net acres in heart of Midland Basin
• Top tier operator after less than a year
  - Culture of innovation and operating excellence
  - Q3 production of 46 MBOE/d, up 28% since Q2
  - Production up 50% from acquisition
• Enhancing capital efficiency
  - D&C cost of $6.4MM/well in Q3, down 9% since Q2
• Delivering top wells in the play
  - Independent industry analysis ranks Encana top tier*
• Delivering quality returns
  - Expanding margins
  - Returns >30%**

*ITG Energy Exploration and Production: "ECA is the Sleeping Giant About to Wake Up", **October 30, 2015 strip pricing
INNOVATION AT WORK

Encana’s R&D Lab Is In The Field

Encana’s five key categories of innovation

1. Well spacing in three dimensions in complex reservoirs
2. Targeting the best pay with advanced reservoir characterization & geosteering
3. Optimizing completions intensity
4. Full life production management
5. Design & logistics to reduce costs and eliminate non-productive time
ENCANA PERMIAN: A TOP TIER ASSET

THE PERMIAN MIDLAND BASIN GEOLOGY
Development Through Time

~50 million years: ~5,000’ Permian section deposited and preserved

Broad basin setting

Midland Basin becoming more well developed

Shallow carbonate dominated shelf around the margins of the Midland Basin, which is filling with deposits

Source: Ron Blakey, Colorado Plateau Geosystems, Arizona USA
**THE PERMIAN MIDLAND BASIN GEOLOGY**

Depositional Environment

- Shallow marine to slope deposition
- Over 5,000’ section of oil saturated rock
- Shallower deposits
  - Interbedded sand, shale and limestone
- Deeper deposits
  - Shale interbedded with limestone and calcareous sandstone

**THE PERMIAN**

**Wolfcamp Core**

- Encana 4,200’ of Core
  - Leafy Debris/Imprint
  - Bleeding Oil

Source: Pioneer Investor Presentation (adapted from Handford, 1981)
THE PERMIAN MIDLAND BASIN GEOLOGY

Stacked Resource Potential

<table>
<thead>
<tr>
<th>Layer</th>
<th>Glasscock</th>
<th>Howard</th>
<th>Martin</th>
<th>Midland Upton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle Spraberry</td>
<td>-</td>
<td>-</td>
<td>180</td>
<td>110</td>
</tr>
<tr>
<td>Lower Spraberry</td>
<td>145</td>
<td>140</td>
<td>210</td>
<td>350</td>
</tr>
<tr>
<td>Wolfcamp A</td>
<td>430</td>
<td>405</td>
<td>305</td>
<td>545</td>
</tr>
<tr>
<td>Wolfcamp B</td>
<td>230</td>
<td>-</td>
<td>-</td>
<td>390</td>
</tr>
<tr>
<td>Wolfcamp C, D/Cline Strawn/Atoka</td>
<td>555</td>
<td>140</td>
<td>370</td>
<td>495</td>
</tr>
<tr>
<td>Total</td>
<td>1,360</td>
<td>685</td>
<td>1,065</td>
<td>1,890</td>
</tr>
</tbody>
</table>

Current Development

Zones with upside potential

Clear Fork C
Upper Spraberry
Middle Spraberry Shale
Middle Spraberry
Lower Spraberry Shale
Dean
Wolfcamp A
B
C
D
Cline
Strawn
Atoka
Barnett
Woodford
Devonian

DAVIDSON EVALUATION PAD

Well Spacing Learnings

Davidson HZ Pads
- Wolfcamp A & B horizontal laterals
- Spacing evaluation
  - ~280’ – 475’ lateral spacing
  - ~279’ vertical spacing
- Drilling & completions operations on both pads simultaneously

Davidson Vertical Evaluation Well
- Retained land
- Multiple zone evaluation
  - Advanced logs
  - Cored productive intervals
- Real time pressure monitoring
  - Permeability
  - Hydraulic fracture characterization and performance monitoring with time
- Microseismic

Source: Encana
ENCANA D&C: TOP TIER OPERATOR

ENCANA PERMIAN
2015 Activity

2015F Program (Net)
- Wells expected to be drilled
  - 68 horizontal / 110 vertical
- Wells expected to be brought online
  - 68 horizontal / 121 vertical
- Current Rig Count
  - 2 vertical drilling rigs
  - 4 horizontal drilling rigs

*Source: DrillingInfo, Inc.

ECA Acreage Concentrated in Most Active Areas*

Permit Industry Rig Count

Midland
Martin
Reagan
Upton
Glasscock
Andrews
Howard
Ector
Nolan
Scurry
Crane
Gaines
Irion
Dawson
Yoakum
Scurry
Crane
Gaines
Irion
Dawson

*Source: DrillingInfo, Inc.
**DRILLING**

- 21 of 34 Encana field records were set in Q3 2015
- Spud to rig release days down 12% from Q2, 25% from Q1
- Recently drilled 3,441’ of lateral in one day
  - Record cased hole cost of $2.2 million

**COMPLETION**

**Completion Design Testing**

<table>
<thead>
<tr>
<th>Fluid – gal/ft</th>
<th>Proppant – lb/ft</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Glasscock</strong></td>
<td><strong>1100-1700</strong></td>
</tr>
<tr>
<td><strong>Howard</strong></td>
<td><strong>1300-3100</strong></td>
</tr>
<tr>
<td><strong>Martin</strong></td>
<td><strong>1500-2500</strong></td>
</tr>
<tr>
<td><strong>Midland/Upton</strong></td>
<td><strong>1200-2600</strong></td>
</tr>
<tr>
<td><strong>Athlon Historic</strong></td>
<td><strong>1100-1700</strong></td>
</tr>
</tbody>
</table>

Testing across counties:
- Expanded range of job sizes vs. historic industry wells
- Enables understanding of key drivers of well performance
- Learnings are enhancing the value of the future inventory
DRILLING & COMPLETIONS INNOVATION
Top Tier Operator In Less Than One Year

• Enhancing the value of Encana’s future inventory
  – Fit-for-purpose rigs
  – Simultaneous operations
  – Optimizing bit and casing design
  – Currently drilling multi-well pad with 10,000’ laterals
  – Advanced geosteering
  – Optimizing completion design
  – Simultaneous multi-well drill outs with coil tubing
  – Structured evaluations to determine appropriate spacing

• Finding the right solutions, today
ENCANA PERMIAN: DRIVING QUALITY RETURNS

CULTURE OF INNOVATION & RESULTS
Our Success Is Based On Our People & Culture

• Permian basin team
  – Decades of technical and operational experience
  – Experience in basins throughout the world
  – Collaboration across operating areas
  – One, Agile, and Driven
ENHANCING CAPITAL EFFICIENCY
How We’ve Gone From >$8.5MM to $6.4MM

• Simultaneous operations
  – Achieving 10 fracs / day
  – Reduced spud to initial production by ~30 days
• Fit-for-purpose drilling rigs
  – Pacesetter well in Q3 - 14 day spud to rig release
  – Casing point selection
  – Casing design
• Increased penetration rates
  – Rotary steerable systems
  – In house bit design
  – Bottom hole assembly reconfiguration
• Optimized design
  – Encana sand logistics & silos
  – Simplified completions fluids
  – Optimized coil tubing operations

PRODUCTION PERFORMANCE IMPROVEMENTS
How We Are Delivering Top Wells In The Play

• Best rocks
  – Encana land situated in northern/central sweet spot of the Midland Basin
  – Detailed resource assessment confirmed reservoir quality
• Targeting & spacing
  – Advanced reservoir characterization and geosteering
  – Comprehensive spacing evaluations
• Completions design
  – Structured evaluation by county/zone
  – Understanding the uniqueness of each zone across various areas
  – Combinations of variables provide best performance
  – Optimizing proppant loading, fluid loading, and cluster spacing
  – Pumped 3 wells at 3,000 lbs/ft & 3 wells at 4,000 lbs/ft
• Production management
  – Evaluating managed pressure drawdown
  – Optimizing artificial lift systems
• Enhancing the value of Encana’s 5,000 well inventory

*Type curve and production scaled to 7,500’ lateral. All WC B wells (10) since July 2015
PERMIAN TOP TIER PERFORMANCE
Delivering Quality Returns

- Top tier cost performance
  - D&C costs down $2MM/well since acquisition
  - D&C costs of $6.4MM/well in Q3, down 9% from Q2
- Top tier production performance
  - Core of the core acreage position
  - Q3 production of 46 MBOE/d, up 28% from Q2
- Innovation at work
  - Enhancing the value of our 5,000 well inventory
- Expanding margins
  - Executed oil gathering agreement, growing margin by up to $2/bbl
  - 30% tied in and on track for 50% by year end
- Returns >30% at strip pricing*

*October 30, 2015 strip pricing. **ITG review of EUR performance not tied to bookable reserves

BETTER WELLS, LOWER COSTS, INCREASING INVENTORY

- Top tier asset
- Top tier operator after less than a year
- Enhancing capital efficiency
- Delivering top wells in the play
- Delivering quality returns

One. Agile. Driven.
A culture of success
FUTURE ORIENTED INFORMATION

This presentation contains certain forward-looking statements or information (collectively, “forward-looking statements”) within the meaning of applicable securities legislation. Forward-looking statements include, but are not limited to:

- number of wells and expected production
- reductions in drilling and completion costs
- ability to drive efficiency and margins
- innovation and optimization work to improve well performance and production rates and reduce costs and cycle times
- potential to grow well inventory

Readers are cautioned upon unduly relying on forward-looking statements as there can be no assurance that the plans, intentions or expectations upon which they are based will occur. By their nature, these statements involve risk and uncertainties and should not be relied upon as representations or guarantees of future events or performance. Actual results may differ materially from those projected in forward-looking statements due to various risk and uncertainties. A number of these factors are listed below:

- unexpected rig count and rig release delays
- unexpected operating margins
- realized production that may not be in accordance with expectations
- anticipated reserves and resources and staked resource potential
- repeatable performance of the Company’s resource play hub models

Readers are cautioned that the expectations represented by such forward-looking statements are reasonable, there can be no assurance that such expectations will prove to be correct. Readers are cautioned that the assumptions, risks, and uncertainties referenced above are not exhaustive. The forward-looking statements contained in this document are made as of the date of this document and, except as required by law, Encana undertakes no obligation to update or revise any forward-looking statements. The forward-looking statements contained in this document are expressly qualified by these cautionary statements.

Certain future oriented financial information or financial outlook information is included in this presentation to communicate Encana’s current expectations as to its performance in 2015. Readers are cautioned that it may not be appropriate for other purposes. This presentation may contain references to non-GAAP measures, which do not have any standardized meaning and therefore are unlikely to be comparable to similar measures presented by other companies. Before relying on any such measures, you should ensure that you are aware of what such measures are.

ADVISORY REGARDING RESERVES DATA & OTHER OIL & GAS INFORMATION

National Instrument (“NI”) 51-101 of the Canadian Securities Administrators imposes oil and gas disclosure standards for Canadian public companies such as Encana engaged in oil and gas activities. Encana complies with the NI 51-101 annual disclosure requirements in its annual information form, most recently dated March 3, 2015 (“AF”). The Canadian protocol disclosure is contained in Appendix A and under “Narrow Description of the Business” in the AF. Encana has obtained an exemption from NI 51-101 for 2015. Encana refers you to Appendix A of the Canadian protocol disclosure to obtain all required information. The following summary contains material that is primarily set forth in both Appendix A of the AF. Encana obtained an exemption from Section 128(1) of the AF. Encana refers you to Appendix A of the Canadian protocol disclosure to obtain all required information.

Reserves are the estimated remaining quantities of oil and natural gas substances anticipated to be recovered from known accumulations, from a given date forward, based on analysis of drilling, geological, geophysical and engineering data, the use of established technology, and specified economic conditions, which are generally accepted as being reasonable. Proved reserves are those reserves which can be estimated with a high degree of certainty to be recoverable from a given date forward. There are two types of remaining quantities of reserves: proved and probable. Proved reserves are those reserves which can be estimated with a high degree of certainty to be recoverable from a given date forward. There are two types of remaining quantities of reserves: proved and probable. Proved reserves are those reserves which are less certain to be recovered than proved reserves. It is highly likely that the actual remaining quantities of reserves will exceed the sum of the estimated proved plus probable reserves.

The estimate of economic contingent resources contained in the presentation are based on definitions contained in the Canadian Oil and Gas Evaluation Handbook (“COGHEH”). Contingent resources do not constitute, and should not be confused with, reserves. Reserves are defined as quantities of oil and natural gas that have been classified as proved or probable reserves in accordance with COGHEH and are “representative” of quantities that could be recovered by the application of reasonable technical and economic means. These reserves are generally accepted as being proven or probable and have been classified as such by project evaluators, auditors, or reserve auditors. Contingent resources are those reserves that are less certain to be recovered than proved reserves. It is highly likely that the actual remaining quantities of reserves will exceed the sum of the estimated proved plus probable reserves. Economic contingent resources are representative of quantities that could be recovered by the application of reasonable technical and economic means. These resources are generally accepted as being proved or probable and have been classified as such by project evaluators, auditors, or reserve auditors. Contingent resources are those reserves that are less certain to be recovered than proved reserves. It is highly likely that the actual remaining quantities of reserves will exceed the sum of the estimated proved plus probable reserves.

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