

Approach Resources Inc  
Form DEFA14A  
December 20, 2016

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**SCHEDULE 14A**  
**Proxy Statement Pursuant to Section 14(a) of the**  
**Securities Exchange Act of 1934**

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

**Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material Pursuant to §240.14a-12

**APPROACH RESOURCES INC.**

**(Name of Registrant as Specified In Its Charter)**

**(Name of Person(s) Filing Proxy Statement, if other than the Registrant)**

Payment of Filing Fee (Check the appropriate box):

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## **Important Information**

The following includes a presentation prepared for stockholders of Approach Resources Inc. (the Company) in connection with the solicitation of proxies for the meeting of stockholders to be held to approve certain aspects of the Company's previously announced exchange transactions.

## **Additional Information and Where to Find It**

In connection with the exchange transactions, the Company filed a definitive proxy statement with the SEC on December 13, 2016. The definitive proxy statement (including any amendments or supplements thereto), and other relevant documents filed with the SEC in connection the Company's solicitation of proxies for the meeting of stockholders to be held to approve certain aspects of the exchange transactions, contain important information about the exchange transactions and related matters. The Company's stockholders and other interested persons are advised to read the definitive proxy statement and such other materials filed with the SEC because these materials contain important information about the exchange transactions. The definitive proxy statement was mailed to the Company stockholders of record as of December 12, 2016. Stockholders may also obtain copies of the definitive proxy statement, without charge, at the SEC's website at [www.sec.gov](http://www.sec.gov) or by directing a request to: Approach Resources Inc., One Ridgmar Centre, 6500 West Freeway, Suite 800, Fort Worth, Texas 76116, Attention: Investor Relations, (817) 989-9000.

## **Participants in Solicitation**

The Company and its directors and officers may be deemed participants in the solicitation of proxies of the Company's stockholders in connection with the exchange transactions. The Company stockholders and other interested persons may obtain, without charge, more detailed information regarding the directors and officers of the Company in the Company's proxy statement for its 2016 Annual Meeting of Stockholders, which was filed with the SEC on April 20, 2016. Information regarding the persons who may, under the SEC rules, be deemed participants in the solicitation of proxies to the Company stockholders in connection with the exchange transactions is set forth in the definitive proxy statement. Additional information regarding the interests of participants in the solicitation of proxies in connection with the exchange transactions is included in **such** definitive proxy statement.

## **Forward Looking Statements**

The attached presentation contains forward-looking statements, including those related to the proposed transactions and their expected benefits. These statements are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements, including, but not limited to, satisfaction of conditions to closing of the transactions, including the ability to secure the required stockholder approvals and other risks described in the Company's SEC filings. All forward-looking statements are based on management's estimates, projections and assumptions as of the date hereof, and the Company undertakes no obligation to update any forward-looking statements.

## **NO OFFER OR SOLICITATION**

THE ATTACHED PRESENTATION IS FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT CONSTITUTE AN OFFER TO SELL OR THE SOLICITATION OF AN OFFER TO BUY ANY SECURITIES PURSUANT TO THE PROPOSED TRANSACTIONS OR OTHERWISE, NOR SHALL THERE BE ANY SALE OF SECURITIES IN ANY JURISDICTION IN WHICH THE OFFER, SOLICITATION OR SALE WOULD BE UNLAWFUL PRIOR TO THE REGISTRATION OR QUALIFICATION UNDER THE SECURITIES LAWS OF ANY SUCH JURISDICTION. THIS ANNOUNCEMENT IS NEITHER AN OFFER TO SELL NOR A SOLICITATION OF AN OFFER TO BUY ANY OF SECURITIES AND SHALL NOT CONSTITUTE AN OFFER,

SOLICITATION OR SALE IN ANY JURISDICTION IN WHICH SUCH OFFER, SOLICITATION OR SALE IS UNLAWFUL.

Approach Resources Company Presentation December 20, 2016

Forward-looking statements This presentation contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. All statements, other than statements of historical facts, included in this presentation that address activities, events or developments that the Company expects, believes or anticipates will or may occur in the future are forward-looking statements. Without limiting the generality of the foregoing, forward-looking statements contained in this presentation specifically (i) relate to stockholder approval and consummation of the transactions discussed herein, and (ii) include the expectations of management regarding plans, strategies, objectives, anticipated financial and operating results of the Company, including as to the Company's Wolfcamp shale resource play, estimated resource potential and recoverability of the oil and gas, estimated reserves and drilling locations, capital expenditures, typical well results and well profiles, type curve, and production and operating expenses guidance included in the presentation. These statements are based on certain assumptions made by the Company based on management's experience and technical analyses, current conditions, anticipated future developments and other factors believed to be appropriate and reasonable by management. When used in this presentation, the words "will," "potential," "believe," "intend," "expect," "may," "should," "anticipate," "could," "estimate," "plan," "predict," "project," "target," "profile," "model" or their negatives, other similar expressions and the statements that include those words, are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. Such statements are subject to a number of assumptions, risks and uncertainties, many of which are beyond the control of the Company, which may cause actual results to differ materially from those implied or expressed by the forward-looking statements. In particular, careful consideration should be given to the cautionary statements and risk factors described in the Company's most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q. In addition, these risks, uncertainties, assumptions and other important factors include, but are not limited to (1) the inability to complete the transactions discussed in this presentation due to the failure to obtain approval of the Company's stockholders to certain aspects thereof or other conditions to closing of the initial exchange and/or follow-on exchange offer, (2) the failure to achieve 100% participation in the follow-on exchange offer, (3) a continued decline in commodities prices, (4) the Company's ability to recognize the anticipated benefits of the transactions, (5) costs related to the transactions, (6) changes in applicable laws or regulations, and (7) other risks and uncertainties indicated from time to time in a definitive proxy statement, including those under "Risk Factors" therein, and other documents filed or to be filed with the SEC by Approach. Any forward-looking statement speaks only as of the date on which such statement is made and the Company undertakes no obligation to correct or update any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by applicable law. The Securities and Exchange Commission ("SEC") permits oil and gas companies, in their filings with the SEC, to disclose only proved, probable and possible reserves that meet the SEC's definitions for such terms, and price and cost sensitivities for such reserves, and prohibits disclosure of resources that do not constitute such reserves. The Company uses the terms "estimated ultimate recovery" or "EUR," reserve or resource "potential," and other descriptions of volumes of reserves potentially recoverable through additional drilling or recovery techniques that the SEC's rules may prohibit the Company from including in filings with the SEC. These estimates are by their nature more speculative than estimates of proved, probable and possible reserves and accordingly are subject to substantially greater risk of being actually realized by the Company. EUR estimates, identified drilling locations and resource potential estimates have not been risked by the Company. Actual locations drilled and quantities that may be ultimately recovered from the Company's interest may differ substantially from the Company's estimates. There is no commitment by the Company to drill all of the drilling locations that have been attributed these quantities. Factors affecting ultimate recovery include the scope of the Company's drilling project, which will be directly affected by the availability of capital, drilling and production costs, availability of drilling and completion services and equipment, drilling results, lease expirations, regulatory approval and actual drilling results, as well as geological and mechanical factors. Estimates of unproved reserves, type/decline curves, per well EUR and resource potential may change significantly as development of the Company's oil and gas assets provides additional data. Type/decline curves, estimated EURs, resource potential, recovery factors and well costs represent Company estimates based on evaluation of petrophysical analysis, core data and well logs, well performance from limited drilling and recompletion results and seismic data, and have not been reviewed by independent engineers. These are presented as hypothetical recoveries if assumptions and estimates regarding

recoverable hydrocarbons, recovery factors and costs prove correct. The Company has limited production experience with this project, and accordingly, such estimates may change significantly as results from more wells are evaluated. Estimates of resource potential and EURs do not constitute reserves, but constitute estimates of contingent resources which the SEC has determined are too speculative to include in SEC filings. Unless otherwise noted, IRR estimates are before taxes and assume NYMEX forward-curve oil and gas pricing and Company-generated EUR and decline curve estimates based on Company drilling and completion cost estimates that do not include land, seismic or G&A costs. Cautionary statements regarding oil & gas quantities



Situation Overview

Situation overview The Company has a high-quality asset base in the Southern Midland basin of the greater Permian Basin Business anchored by long-lived, low-cost proved reserve base Over 1,600 remaining Hz Wolfcamp drilling locations provide significant upside and future growth Established infrastructure in place to achieve one of the lowest cost structures in the Permian Basin In response to the decline in commodity prices, the Company suspended drilling in 2015 and has focused on reducing costs, preserving liquidity and reducing leverage Without a reduction in leverage and interest expense, the Company will be unable to grow its reserve base and production while spending within cash flow given prolonged low commodity prices and limited operating liquidity The debt-for-equity Exchange Transactions are being pursued to reduce debt and interest expense, and increase operating liquidity and financing flexibility Company intends to redeploy up to \$16.1 million of annual interest savings to increase 2017 capital budget and grow production and reserves De-risks the business and right-sizes the balance sheet for current commodity price environment Recapitalized balance sheet enhances opportunity set of strategic options including A&D and M&A

Company overview AREX OVERVIEW ASSET OVERVIEW Enterprise value \$651MM High-quality reserve base 167 MMBoe proved reserves 63% Liquids, 33% oil \$460 MM Standardized measure, \$504 MM proved PV-10 (non-GAAP) 1 Available Sales Outlets – Cushing and Midland Permian Basin core operating area 138,000 gross (125,000 net) acres ~1+ BnBoe gross, unrisked resource potential ~1,800 Identified HZ drilling Large contiguous acreage with multiple benches Prolific Wolfcamp shale – largest estimate of continuous oil that USGS has ever assessed in the United States 2 Capital program focused on aligning capex with cash flow Stable leasehold that is largely HBP provides for flexible budget Improving commodity prices would allow us to seamlessly increase capital budget, funded with operating cash flow Note: Proved reserves as of 12/31/15 and acreage as of 9/30/2016. All Boe and Mcfe calculations are based on a 6 to 1 conversion ratio. Enterprise value is equal to market capitalization using the closing share price of \$3.70 per share on 12/6/2016, plus net debt as of 9/30/2016. 1. See “PV-10 (unaudited)” slide for reconciliation to GAAP measure. 2. Per USGS estimates - <https://www.usgs.gov/news/usgs-estimates-20-billion-barrels-oil-texas-wolfcamp-shale-formation>

Company's leverage metrics and liquidity position have been negatively impacted by low oil prices

Borrowing Base (\$MM)	\$450.0	\$600.0	\$600.0	\$525.0	\$450.0	\$450.0	\$450.0	\$325.0	\$325.0	\$325.0
Liquidity (\$MM)	\$361.8	\$300.1	\$240.0	\$193.4	\$172.0	\$177.3	\$178.5	\$50.6	\$52.4	\$51.7

Debt / LTM EBITDAX \$ / barrel 1. Leverage is calculated by dividing total debt (principal amount) by EBITDAX. See "Pro forma leverage ratio (unaudited)" slide for reconciliation.

As commodity prices collapsed, we took proactive steps to align our capital budget with cash flow and reduce our cost structure Annual Capital Expenditures (\$ MM) Improved Cost Structure Lease operating expense per Boe down 53% from 1Q14 Cash G&A per Boe down 27% from 1Q14

Highlights of exchange transaction 8 Large-scale strategic recapitalization anchored by a proven industry investor (Wilks Brothers family office) Elimination of up to \$230.3 million of debt and \$16.1 million in annual cash interest expense (assuming full participation in the Exchange Transactions) in exchange for a maximum of 69.1 million shares of common stock (62.5% of outstanding assuming Follow-On Exchange Rate = Initial Exchange Rate) Provides cash flow to invest in the business and positions the Company to resume growth Alliance with a strategic investor enhances access to OFS services if that market tightens in a rising price environment

Key transaction terms 1 9 1. The foregoing description of terms is qualified in its entirety by a definitive exchange agreement and exhibits, which were filed on November 2, 2016, as Exhibit 10.1 to our Current Report on Form 8-K and are incorporated herein by reference. 2. \$953.62 is determined by multiplying 300 shares x exchange agreement VWAP. Exchange agreement Agreement with largest holder of our 7.00% Senior Notes due 2021 (senior notes), to exchange \$130,552,000 principal amount of senior notes for 39,165,600 shares of AREX common stock Exchanging note holder Entities beneficially owned by the Wilks Family Office, based in Cisco, Texas and founders of FracTech, a hydraulic fracturing and oil field services firm that Wilks sold to Temasek Holdings consortium in 2011 Exchange ratio 300 shares of common stock per \$1,000 principal amount of senior notes Follow-on exchange offer After the Wilks exchange, Approach will launch follow-on exchange offer to holders of remaining \$99,768,000 principal amount of senior notes on similar economic terms Follow-on exchange ratio At Company's discretion, a ratio between (including the lesser of): 300 shares of common stock per \$1,000 principal value senior notes, or if 30-day VWAP of AREX common stock three days before follow-on launch (launch VWAP) is  $\geq$  to \$3.179 (exchange agreement VWAP), then  $\$953.62 \div \text{launch VWAP}$  2 Minimum participation required in follow-on exchange None Governance Wilks will appoint three directors to Approach's current five-member board, bringing the total to eight board members Proportionate voting Wilks must vote their shares in proportion with non-Wilks shareholders on typical annual meeting matters, including director nominees Equity value trigger Proportionate voting falls away when Approach reaches equity market cap of between ~ \$800 million and \$1.1 billion Equity ownership cap Wilks ownership capped at 48.6% for duration of agreement Standstill 18-month standstill for Wilks for acquisitions of common stock above equity ownership cap, M&A proposals, proxy solicitations Pre-emptive rights Right of first offer for Wilks to acquire 2nd lien debt and pre-emptive rights to acquire equity securities Reg rights agreement Customary registration rights agreement Stockholder approval Stockholder approval required for Wilks exchange, follow-on exchange and increase in authorized shares of common stock from 90 million to 180 million Ability to consider unsolicited proposals Board may withdraw or modify its recommendation that stockholders vote in favor of the Exchange Transactions Termination fee No. Reimbursement of Noteholders' expenses up to \$500,000 if the Exchange Agreement is terminated for any reason other than Noteholders' breach Management severance / parachute None Co-financial advisors Perella Weinberg Partners; Evercore Group L.L.C. Fairness opinion Perella Weinberg Partners Board support Unanimous Closing Expected closing 1Q2017

Exchange transaction summary Debt & Interest (\$MM) 1 Ownership Total Debt / LTM EBITDAX 2 1. Represents principal amount of outstanding long-term debt and LTM cash interest as of 9/30/2016. 2. See “EBITDAX (unaudited)” slide for reconciliation to GAAP measure 1. Assuming 30-day VWAP at time of tender launch equals 12/15/2016 stock price of \$3.83 per share, follow-on exchange ratio would be as low as 249 shares per bond, reducing maximum number of shares offered to other noteholders to 24.9 MM shares. \$505.3 \$374.8 41.5 MM total shares 80.8 MM total shares 110.7 MM total shares Step 1: Initial exchange Step 2: Follow-on exchange 1 \$275.0 Credit facility due 2019 Senior Notes due 2021 Cash interest \$25.1 \$16.0 \$9.0



Estimated process timeline 11 Date Event January 26, 2017 Special Meeting of the Stockholders / Exchange  
Transactions are approved January – February, 2017 If approved, Initial Exchange is executed February – March, 2017  
If approved, Follow-on Exchange is launched March – April, 2017 Follow-on Exchange closes

Exchange transactions will materially improve leverage and access to liquidity 2016 OCC Substandard Loan E&P Lending Guidance: 4.0x Note: Based on NYMEX strip pricing as of 10/13/2016. Leverage Access to additional low-cost bank capital is materially constrained when borrower leverage exceeds Office of the Comptroller of Currency (“OCC”) E&P lending guidelines, regardless of increasing commodity pricing or reserves base. 1. Leverage is calculated by dividing total debt (principal amount) by EBITDAX. See “Pro forma leverage ratio (unaudited)” slide for reconciliation.

Reinvestment of interest expense will provide ongoing incremental liquidity needed to jumpstart production growth

13 Capital expenditures = operating cash flow (\$MM) 1 Daily production (Mboe/d) 1 1. Based on commodity research consensus price forecast as of 10/13/2016 (oil prices of \$54 in 2017, \$61 in 2018 and 2019, and \$66 in 2020) and D&C costs of \$3.6 MM per well. Note: Graphs are included to illustrate that interest savings will lead to increases in operating cash flows and capital expenditures, which over time will lead to increases in production, and are not intended to provide guidance regarding our future expected capital expenditures, cash flows or production targets. Higher operating cash flow will allow for larger self-funded capital budget Higher capital budget will accelerate production growth and increase oil cut

Market reaction following transaction announcement 14 AREX stock closed at \$2.70 on 11/2/2016, with the exchange agreement announced after hours. AREX stock was up 7.0% on 11/3/16, outperforming the S&P E&P Index, which was up less than 1%. The Initial Exchange will be executed at an implied price of \$3.33/share, a 23% premium to the 11/2/2016 closing price. The follow-on exchange will be executed at a 5% discount to bond par value, representing an additional premium uplift to current share price. Since the announcement, AREX stock has traded up 41.9%, outperforming the S&P E&P Index, which was up 20.4% over the same period. \$3.83 closing price on 12/15/2016

Key rationale for exchange transactions 15 Improved Capital Structure Significant reduction in debt Improvement in ability to service and refinance upcoming debt maturities Reposition the Company's balance sheet and restore access to low-cost bank financing Reduction of leverage closer to new OCC guidelines of 4.0x Positive Financial Impact Preserving existing liquidity Elimination of annual cash interest expense of up to \$16.1 million (assuming full participation in the Exchange Transactions) Allowing reallocation of cash interest expense to drilling operations to resume growth and maximize enterprise value Best Actionable Alternative Many alternatives were explored as described in proxy statement Asset Sales – Indications of interests received from potential counterparties did not meaningfully reduce leverage Sale of Equity – The size of any public offering or private placement necessary to accomplish similar leverage reduction would be significant and likely more dilutive Sale of Entire Company – Offers or indications of interest for such a sale were not in the best interest of stockholders or the Company

Asset and operations overview

Company overview AREX OVERVIEW ASSET OVERVIEW Enterprise value \$651MM High-quality reserve base 167 MMBoe proved reserves 63% Liquids, 33% oil \$460 MM Standardized measure, \$504 MM proved PV-10 (non-GAAP) 1 Available Sales Outlets – Cushing and Midland Permian Basin core operating area 138,000 gross (125,000 net) acres ~1+ BnBoe gross, unrisked resource potential ~1,800 Identified HZ drilling Large contiguous acreage with multiple benches Prolific Wolfcamp shale – largest estimate of continuous oil that USGS has ever assessed in the United States 2 Capital program focused on aligning capex with cash flow Stable leasehold that is largely HBP provides for flexible budget Improving commodity prices would allow us to seamlessly increase capital budget, funded with operating cash flow Note: Proved reserves as of 12/31/15 and acreage as of 9/30/2016. All Boe and Mcfe calculations are based on a 6 to 1 conversion ratio. Enterprise value is equal to market capitalization using the closing share price of \$3.70 per share on 12/6/2016, plus net debt as of 9/30/2016. 1. See “PV-10 (unaudited)” slide for reconciliation to GAAP measure. 2. Per USGS estimates - <https://www.usgs.gov/news/usgs-estimates-20-billion-barrels-oil-texas-wolfcamp-shale-formation>

The business is anchored by long-lived, low-cost proved reserve base 18 12/31/2015 reserve summary prepared by DeGolyer and MacNaughton (“D&M”) Replaced 603% of produced reserves at a drill-bit F&D cost of \$4.32 per Boe1 Total proved reserves up 14% YoY, proved PV-10 (non-GAAP) of \$504 million2 Oil (MBbls) NGLs (MBbls) Natural Gas (MMcf) 3 Total (MBoe) PV-10 (\$ MM) 2 PDP 15,476 20,362 154,202 61,539 \$390.8 PDNP 191 52 450 317 \$1.1 PUD 38,829 29,072 221,336 104,790 \$112.1 Total Proved 54,496 49,486 375,988 166,646 \$504.0 Total Proved Reserves Reserves by Commodity Proved PV-10 1. Drill-bit F&D costs are calculated by dividing the sum of exploration costs and development costs for the year by the total of reserve extensions and discoveries for the year. See “F&D costs (unaudited)” slide. 2. PV-10 calculated based on the first-of-the-month, 12-month average prices for oil, NGLs and natural gas, of \$50.16 per Bbl of oil, \$15.13 per Bbl of NGLs and \$2.64 per MMBtu of natural gas. See “PV-10 (unaudited)” slide for reconciliation to GAAP measure. 3. The gas reserves contain 42,617 MMcf of gas that will be produced and used as field fuel (primarily for compressors and artificial lifts) before the gas is delivered to a sales point.



Strong track record of reserve and production growth 19 RESERVE GROWTH CAGR 29% YE15 reserves up 14% YoY Replaced 603% of produced reserves at a drill-bit F&D cost of \$4.32/Boe 154.6 MMBoe proved reserves booked to HZ Wolfcamp play MMBoe PRODUCTION GROWTH CAGR 32% 2015 Production increased 10% YoY to a record 15.2 MBoe/d Anticipating production decline in 2016 with significantly reduced capital budget MBoe/d 1. Drill-bit F&D costs are calculated by dividing the sum of exploration costs and development costs for the year by the total of reserve extensions and discoveries for the year. See “F&D costs (unaudited)” slide.

AREX Wolfcamp assets offer significant upside 20 Approach assets deliver: Balanced production profile Shallow natural decline rate Meaningful cash flow allowing debt reduction during 4Q15 and operating within cash flow in 2016 Stacked-pay zone - Wolfcamp A, B and C offering more than 1,600 undrilled locations Low cost to drill & complete due to shallow depth, efficiency, and existing water system Contiguous acreage position allowing large-scale infrastructure that delivers one of the lowest lease operating cost for the life of the property Proximity to the under-supplied Mexican natural gas and natural gas liquid market Recent acquisitions by PE-backed entrants offsetting AREX acreage attest to asset quality and upside potential when commodity prices recover Recent M&A transactions in Southern Midland Basin: Amistad Energy Partners purchased EOG Crockett Co acreage Sequitur Energy purchased EOG Reagan, Irion, Schleicher and Crockett Co acreage Fleur de Lis purchased Devon Irion and Crockett Co acreage

21 AREX LOE Historical Track Record (\$/Boe) 2015 Permian Peer LOE (\$/Boe) AREX D&C Historical Track Record (\$ MM) Current Permian Peer D&C Cost (\$ MM) Source: Latest available company presentations and public filings. Peers include CPE, CWEI, CXO, EGN, FANG, LPI, MTDR, PE, PXD, and RSPP. AREX continues to achieve one of the lowest cost structures in the Permian Basin

Drilling and completion (D&C) cost reductions have significantly improved profitability despite lower commodity prices 22 Note: HZ Wolfcamp economics assume \$3.50/Mcf realized natural gas price and NGL price based on 40% of realized oil price. Current 2017 NYMEX strip Long-term commodity research consensus

Enhanced completion design drives outperformance from 2015 and 2016 wells 23 Note: Production data normalized for operational downtime Note: Production data normalized for operational downtime Cumulative Production (Boe) Time (Day) 2Q16 Wells Reduced stage spacing (< 200') Increase percentage of 100 mesh sand Use of Recycled Produced Water 2nd Qtr. 2016 Wolfcamp B&C bench completions Average completed lateral length = 6,541'

Balanced production mix allows AREX to benefit from commodity price appreciation across all product streams 24  
9M16 Commodity Mix Crude oil realized prices up 78% since January 2016 Natural gas realized prices up 37% since  
January 2016 NGL realized prices up 117% since January 2016 % Change in realized prices

Large resource potential with significant running room 25 AREX Horizontal Wells / Locations AREX Undrilled  
Locations Total identified undrilled locations: 1,639

PDP PUD PDP PUD PROB/POSS/RES Potential ~10,000' laterals PROB/POSS/RES Potential ~10,000' laterals PDNP  
548 PDP 16 PUD 41 PROB / POSS / RES 2015 Year End A Bench (TOTAL) PDNP 1 AREX Wolfcamp A Bench  
wells and locations Production Corridor Production Corridor Production Corridor Production Corridor Production  
Corridor Pangea West Project Pangea 26



PDP PUD PROB/POSS/RES PUD PROB/POSS/RES Potential ~10,000' laterals Potential ~10,000' laterals Production  
Corridor Production Corridor Production Corridor Production Corridor Production Corridor PDP 392 PDP 105 PUD  
109 PROB / POSS / RES 2015 Year End B Bench (TOTAL) AREX Wolfcamp B Bench wells and locations Pangea  
West Project Pangea 27

PDP PROB/POSS/RES Potential ~10,000' laterals PDP PUD PROB/POSS/RES Potential ~10,000' laterals PUD 449  
PDP 43 PUD 100 PROB / POSS / RES 2015 Year End C Bench (TOTAL) AREX Wolfcamp C Bench wells and  
locations Production Corridor Production Corridor Production Corridor Production Corridor  
Pangea West Project Pangea 28

Established infrastructure in place is critical to low cost structure 29 Benefits of water recycling Reduce D&C cost  
Reduce lease operating expense (LOE) Increase project profit margin Minimize fresh water use, truck traffic and  
surface disturbance BLK 54 Compressor OZONA 42-14 Pit PW Pit Jim Terry Pit Childress Pit PW 5701 SWD  
Receipt Point Midway Truck Station DCP Gas Line BLK 45 DCP Tap DCP Gas Line Gas gathering lines WTG Low  
Pressure Gas line DCP Processing Plants 1401 SWD West 2106 SWD 42-15-7X SWD Approach Bailey Compressor  
Schleicher Crockett Irion Reagan Sutton NORTH & CENTRAL PANGEA PANGEA WEST SOUTH PANGEA PW  
DCP Tap PW CS #1 PW Commingle Facility Receipt Point Receipt Point Receipt Point Receipt Point Receipt Point  
Receipt Point DCP Tap BLK 45 S Compressors BLK 42 CS 45-13 Pit 190 Pit Baker CS Baker Pit 2 BLK 45 N  
Compressors BLK 54 Pit Baker Pit Baker Station DCP Gas Line CT Compressor 42-21 Pit LACT LACT 42  
Commingle Facility LACT 3 1 2 2 1 2 2 1 Moore Pit LACT Rousselot Pit Childress Pit Recycle Facility Elliott  
Facility BLK 50 Compressor JPE Energy Baker DCP Tap BLK 42 / CT DCP Tap DCP Tap LACT 204HA 228HA

Significant cost savings from using recycled water for fracing 30 Flowback / Producing Well \$2 per barrel Free Wellpad Via existing water gathering lines Cost Savings \$400,000 to \$600,000 per well Via existing water transportation lines \$0.25 per barrel \$0.25 per barrel \$1.50 per barrel Free Water Recycling Center Cost for recycled water \$2 - \$3 per barrel Cost saving for using recycled water

AREX water recycling facility successfully implemented 31 Started up in March 2015, ramped up during April 2015  
Recycled up to 100% of AREX daily flowback/produced water volumes More than 2.2 million barrels of produced  
water treated in the first 6 months More than \$7mm of cost saved or value created in the first 6 months of operation

32 CPF 5 CPF 1 CPF 2 CPF 3 CPF 4 Low Pressure Gathering Line 0.75 miles CS 0.75 miles Gas lift to CPF Gas lift to Well Production to CPF Dehy ~ 2000 ft ~ 500 ft High Pressure Pipeline to Processing Plant High Pressure Sale line High Pressure Sale / Gas Lift line Wells CPF 10 CPF 6 CPF 7 CPF 8 CPF 9 Low Pressure Gathering Line CS Gas lift to CPF Gas lift to Well Production to CPF Dehy Well Pads Serviced by Centralized Compressor and Shared Gas Lift System – Efficient and Significant Cost Saving Cost ~ \$4.3 M / Well / month for the 1st 30 months This configuration saves \$7.6 M / well / month for the 1st 30 months Or \$228M/well for the 1st 30 months

AREX has used the commodity price downturn to increase focus on cost reductions 33 LOE/Boe Prod. Taxes/Boe Cash G&A/Boe LOE down 53% from 1Q14 Cash G&A down 27% from 1Q14 Production taxes down 54% from 1Q14

34 Record low LOE cost driven by water handling infrastructure and field-level operating efficiencies AREX LOE  
Historical Track Record (\$/Boe) Water hauling Compressor Rental & Repair Well Repairs, Workover & Maintenance  
Pumpers & Supervision



Cost reductions and improvement in commodity prices are translating into expanding profit margins 35 Profit margin per Boe Unhedged Cash Margin1 LOE Production Taxes Cash G&A \$15.12 Realized Price \$18.12 Hedged Realized Price \$19.53 Realized Price \$20.76 Hedged Realized Price \$21.26 Realized Price \$21.96 Hedged Realized Price 173% YTD improvement in unhedged profit margin 1. Defined as unhedged revenue per Boe less LOE, production taxes, and cash G&A per Boe.

Appendix

Current hedge position 37 Commodity & Period Contract Type Volume Contract Price Crude Oil October 2016 – December 2016 Swap 750 Bbls/d \$62.52/Bbl Natural Gas October 2016 – December 2016 Swap 200,000 MMBtu/month \$2.93/MMBtu October 2016 – March 2017 Swap 400,000 MMBtu/month \$2.45/MMBtu November 2016 – March 2017 Swap 200,000 MMBtu/month \$3.29/MMBtu January 2017 – December 2017 Collar 100,000 MMBtu/month \$3.00/MMBtu - \$3.65/MMBtu April 2017 – December 2017 Collar 400,000 MMBtu/month \$3.00/MMBtu - \$3.47/MMBtu April 2017 – December 2017 Collar 200,000 MMBtu/month \$2.30/MMBtu - \$2.60/MMBtu

Liquidity (in thousands) Borrowing Base \$325,000 Cash and Cash Equivalents 2,708 Borrowings under Credit Facility (275,000) Undrawn Letters of Credit (325) Liquidity \$52,383 Liquidity is calculated by adding the net funds available under our revolving credit facility and cash and cash equivalents. We use liquidity as an indicator of the Company's ability to fund development and exploration activities. However, this measurement has limitations. This measurement can vary from year-to-year for the Company and can vary among companies based on what is or is not included in the measurement on a company's financial statements. This measurement is provided in addition to, and not as an alternative for, and should be read in conjunction with, the information contained in our financial statements prepared in accordance with GAAP (including the notes), included in our SEC filings and posted on our website The table below summarizes our liquidity at September 30, 2016.

Pro forma leverage ratio (unaudited) 39 Leverage ratio is calculated by dividing total debt (principal amount) by EBITDAX (non-GAAP)<sup>1</sup> for the trailing 12 months. We use the leverage ratio as a measurement of our overall financial leverage, which impacts our ability to incur more debt. However, this ratio has limitations. This ratio can vary from year-to-year for the Company and can vary among companies based on what is or is not included in the ratio on a company's financial statements. This ratio is provided in addition to, and not as an alternative for, and should be read in conjunction with, the information contained in our financial statements prepared in accordance with GAAP (including the notes), included in our SEC filings and posted on our website. We define EBITDAX as net loss, plus (1) exploration expense, (2) depletion, depreciation and amortization expense, (3) share-based compensation expense, (4) unrealized loss (gain) on commodity derivatives, (5) gain on debt extinguishment, (6) write-off of debt issuance costs, (7) interest expense, net, and (8) income tax benefit. EBITDAX is not a measure of net income or cash flow as determined by GAAP. The amounts included in the calculation of EBITDAX were computed in accordance with GAAP. EBITDAX is presented herein and reconciled to the GAAP measure of net loss because of its wide acceptance by the investment community as a financial indicator of a company's ability to internally fund development and exploration activities. The following table provides a reconciliation of EBITDAX to net loss for the three months ended December 31, 2015, March 31, 2016, June 30, 2016, and September 30, 2016, and 12 months ended September 30, 2016 (in thousands).

	September 30, 2016	Pro forma – Wilks exchange	Pro forma – Full exchange
Total Debt (principal amount)	\$ 505,320	\$ 374,768	\$ 275,000
LTM EBITDAX	63,508	63,508	63,508
Leverage ratio	7.9x	5.9x	4.3x
Three Months Ended	December 31, 2015	March 31, 2016	June 30, 2016
Twelve Months Ended	September 30, 2016	September 30, 2016	September 30, 2016
Net loss	\$ (5,759)	\$ (13,660)	\$ (16,035)
Exploration	228,569	1,622	1,047
Depletion, depreciation and amortization	23,173	20,229	19,991
Share-based compensation	1,954	1,550	1,374
Unrealized loss (gain) on commodity derivatives	10,285	957	8,076
Gain on debt extinguishment	(9,080)	-	(9,080)
Write-off of debt issuance costs	-	563	-
Interest expense, net	6,436	6,298	6,808
Income tax benefit	(284)	(7,245)	(8,687)
EBITDAX	\$ 26,953	\$ 8,698	\$ 13,712

1. See "EBITDAX (unaudited)" for a reconciliation to a GAAP measure.

Pro forma interest coverage ratio (unaudited) 4.0x Interest coverage ratio is calculated by dividing EBITDAX for the trailing 12 months by cash interest expense for the trailing 12 months. We use the interest coverage ratio as a measurement of our ability to make interest payments on our outstanding debt. However, this ratio has limitations. This ratio can vary from year-to-year for the Company and can vary among companies based on what is or is not included in the ratio on a company's financial statements. This ratio is provided in addition to, and not as an alternative for, and should be read in conjunction with, the information contained in our financial statements prepared in accordance with GAAP (including the notes), included in our SEC filings and posted on our website. We define EBITDAX as net loss, plus (1) exploration expense, (2) depletion, depreciation and amortization expense, (3) share-based compensation expense, (4) unrealized loss (gain) on commodity derivatives, (5) gain on debt extinguishment, (6) write-off of debt issuance costs, (7) interest expense, net, and (8) income tax benefit. EBITDAX is not a measure of net income or cash flow as determined by GAAP. The amounts included in the calculation of EBITDAX were computed in accordance with GAAP. EBITDAX is presented herein and reconciled to the GAAP measure of net loss because of its wide acceptance by the investment community as a financial indicator of a company's ability to internally fund development and exploration activities. We define cash interest expense as interest expense excluding amortization of debt issuance costs. The following table provides a reconciliation of EBITDAX to net loss and cash interest expense to interest expense for the three months ended December 31, 2015, March 31, 2016, June 30, 2016, and September 30, 2016, and 12 months ended September 30, 2016 (in thousands).

	Three Months Ended	Three Months Ended	Three Months Ended	Three Months Ended	Twelve Months Ended
	December 31, 2015	March 31, 2016	June 30, 2016	September 30, 2016	September 30, 2016
Net loss	\$ (5,759)	\$ (13,660)	\$ (16,035)	\$ (9,073)	\$ (44,527)
Exploration	228	569	1,622	1,047	3,466
Depletion, depreciation and amortization	23,173	20,229	19,991	19,422	82,815
Share-based compensation	1,954	1,550	1,374	1,357	6,235
Unrealized loss (gain) on commodity derivatives	10,285	957	8,076	(760)	18,558
Gain on debt extinguishment	(9,080)	-	-	(9,080)	-
Write-off of debt issuance costs	-	-	563	-	563
Interest expense, net	6,436	6,298	6,808	7,067	26,609
Income tax benefit	(284)	(7,245)	(8,687)	(4,915)	(21,131)
EBITDAX	\$ 26,953	\$ 8,698	\$ 13,712	\$ 14,145	\$ 63,508
Interest expense	\$ 6,436	\$ 6,298	\$ 6,808	\$ 7,067	\$ 26,609
Amortization of debt issuance costs	(383)	(372)	(346)	(340)	(1,441)
Cash interest expense	\$ 6,053	\$ 5,926	\$ 6,462	\$ 6,727	\$ 25,168
September 30, 2016 Pro forma – Wilks exchange					
September 30, 2016 Pro forma – Full exchange					
LTM EBITDAX	\$ 63,508	\$ 63,508	\$ 63,508	\$ 63,508	\$ 63,508
Cash interest expense	25,168	16,029	9,046		
Interest coverage ratio	2.5x	4.0x	7.0x		

EBITDAX (unaudited) 41 We define EBITDAX as net loss, plus (1) exploration expense, (2) depletion, depreciation and amortization expense, (3) share-based compensation expense, (4) impairment of oil and gas properties, (5) unrealized (gain) loss on commodity derivatives, (6) gain on debt extinguishment, (7) termination costs, (8) write-off of debt issuance costs, (9) interest expense, net, and (10) income tax benefit. EBITDAX is not a measure of net income or cash flow as determined by GAAP. The amounts included in the calculation of EBITDAX were computed in accordance with GAAP. EBITDAX is presented herein and reconciled to the GAAP measure of net loss because of its wide acceptance by the investment community as a financial indicator of a company's ability to internally fund development and exploration activities. This measure is provided in addition to, and not as an alternative for, and should be read in conjunction with, the information contained in our financial statements prepared in accordance with GAAP (including the notes), included in our SEC filings and posted on our website. The following table provides a reconciliation of EBITDAX to net loss for the three and nine months ended September 30, 2016 and 2015. (in thousands)

	Three Months Ended September 30, 2016	Three Months Ended September 30, 2015	Nine Months Ended September 30, 2016	Nine Months Ended September 30, 2015
Net loss	\$ (9,073)	\$ (148,787)	\$ (38,768)	\$ (168,345)
Exploration	1,047	1,956	3,238	4,211
Depletion, depreciation and amortization	19,422	31,222	59,642	86,146
Share-based compensation	1,357	1,708	4,281	6,000
Impairment of oil and gas properties	- 220,197	- 220,197	-	-
Unrealized (gain) loss on commodity derivatives	(760)	(296)	8,273	22,929
Gain on debt extinguishment	- (1,483)	- (1,483)	-	-
Termination costs	- 1,436	- 1,436	-	-
Write-off of debt issuance costs	-	- 563	-	-
Interest expense, net	7,067	6,465	20,173	18,630
Income tax benefit	(4,915)	(81,756)	(20,847)	(93,121)
EBITDAX	\$ 14,145	\$ 30,662	\$ 36,555	\$ 96,600

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F&D costs (unaudited) 42 F&D Cost reconciliation Cost summary (in thousands) Property acquisition costs Unproved properties \$ 653 Proved properties - Exploration costs 4,439 Development costs 146,237 Total costs incurred \$ 151,329 Reserves summary (MBoe) Balance – 12/31/2014 146,248 Extensions & discoveries 34,895 Production (1) (5,787) Revisions to previous estimates (8,709) Balance – 12/31/2015 166,646 F&D cost (\$/Boe) All-in F&D cost \$ 5.78 Drill-bit F&D cost 4.32 Reserve replacement ratio Drill-bit 603% All-in finding and development (“F&D”) costs are calculated by dividing the sum of property acquisition costs, exploration costs and development costs for the year by the sum of reserve extensions and discoveries, purchases of minerals in place and total revisions for the year. Drill-bit F&D costs are calculated by dividing the sum of exploration costs and development costs for the year by the total of reserve extensions and discoveries for the year. We believe that providing F&D cost is useful to assist in an evaluation of how much it costs the Company, on a per Boe basis, to add proved reserves. However, these measures are provided in addition to, and not as an alternative for, and should be read in conjunction with, the information contained in our financial statements prepared in accordance with GAAP (including the notes), included in our previous SEC filings and included in our annual report on Form 10-K filed with the SEC on March 4, 2016. Due to various factors, including timing differences, F&D costs do not necessarily reflect precisely the costs associated with particular reserves. For example, exploration costs may be recorded in periods before the periods in which related increases in reserves are recorded, and development costs may be recorded in periods after the periods in which related increases in reserves are recorded. In addition, changes in commodity prices can affect the magnitude of recorded increases (or decreases) in reserves independent of the related costs of such increases. As a result of the above factors and various factors that could materially affect the timing and amounts of future increases in reserves and the timing and amounts of future costs, including factors disclosed in our filings with the SEC, we cannot assure you that the Company’s future F&D costs will not differ materially from those set forth above. Further, the methods used by us to calculate F&D costs may differ significantly from methods used by other companies to compute similar measures. As a result, our F&D costs may not be comparable to similar measures provided by other companies. The following table reconciles our estimated F&D costs for 2015 to the information required by paragraphs 11 and 21 of ASC 932-235. (1) Production includes 1,530 MMcf related to field fuel.



PV-10 (unaudited) 43 The present value of our proved reserves, discounted at 10% (“PV-10”), was estimated at \$504 million at December 31, 2015, and was calculated based on the first-of-the-month, twelve-month average prices for oil, NGLs and gas, of \$50.16 per Bbl of oil, \$15.13 per Bbl of NGLs and \$2.64 per MMBtu of natural gas, adjusted for basis differentials, grade and quality. PV-10 is our estimate of the present value of future net revenues from proved oil and gas reserves after deducting estimated production and ad valorem taxes, future capital costs and operating expenses, but before deducting any estimates of future income taxes. The estimated future net revenues are discounted at an annual rate of 10% to determine their “present value.” We believe PV-10 to be an important measure for evaluating the relative significance of our oil and gas properties and that the presentation of the non-GAAP financial measure of PV-10 provides useful information to investors because it is widely used by professional analysts and investors in evaluating oil and gas companies. Because there are many unique factors that can impact an individual company when estimating the amount of future income taxes to be paid, we believe the use of a pre-tax measure is valuable for evaluating the Company. We believe that PV-10 is a financial measure routinely used and calculated similarly by other companies in the oil and gas industry. The following table reconciles PV-10 to our standardized measure of discounted future net cash flows, the most directly comparable measure calculated and presented in accordance with GAAP. PV-10 should not be considered as an alternative to the standardized measure as computed under GAAP. (in millions) December 31, 2015 PV-10 \$ 504 Less income taxes: Undiscounted future income taxes (307) 10% discount factor 263 Future discounted income taxes (44) Standardized measure of discounted future net cash flows \$ 460

Disclosure 44 THIS PRESENTATION IS NEITHER AN OFFER TO PURCHASE NOR A SOLICITATION TO BUY ANY OF THE EXISTING SENIOR NOTES NOR IS IT A SOLICITATION FOR ACCEPTANCE OF THE EXCHANGE OFFER OR THE FOLLOW-ON EXCHANGE. THE COMPANY IS MAKING THE EXCHANGE OFFER AND THE FOLLOW-ON EXCHANGE OFFER ONLY BY, AND PURSUANT TO THE TERMS OF, THE OFFERS TO EXCHANGE AND LETTERS OF TRANSMITTAL. THE EXCHANGE OFFER AND THE FOLLOW-ON EXCHANGE OFFER ARE NOT BEING MADE IN ANY JURISDICTION IN WHICH THE MAKING OR ACCEPTANCE THEREOF WOULD NOT BE IN COMPLIANCE WITH THE SECURITIES, BLUE SKY OR OTHER LAWS OF SUCH JURISDICTION. NONE OF THE COMPANY, ANY INFORMATION AGENT OR ANY EXCHANGE AGENT FOR THE EXCHANGE OFFER OR THE FOLLOW-ON EXCHANGE OFFER MAKES ANY RECOMMENDATION IN CONNECTION WITH SUCH EXCHANGE OFFERS. THIS PRESENTATION IS NEITHER AN OFFER TO SELL NOR A SOLICITATION OF AN OFFER TO BUY ANY OF THESE SECURITIES AND SHALL NOT CONSTITUTE AN OFFER, SOLICITATION OR SALE IN ANY JURISDICTION IN WHICH SUCH OFFER, SOLICITATION OR SALE IS UNLAWFUL. Additional Information and Where to Find It In connection with the exchange transactions, the Company filed a definitive proxy statement with the SEC on December 13, 2016. The definitive proxy statement (including any amendments or supplements thereto), and other relevant documents filed with the SEC in connection the Company's solicitation of proxies for the meeting of stockholders to be held to approve certain aspects of the exchange transactions, contain important information about the exchange transactions and related matters. The Company's stockholders and other interested persons are advised to read the definitive proxy statement and such other materials filed with the SEC because these materials contain important information about the exchange transactions. The definitive proxy statement was mailed to the Company stockholders of record as of December 12, 2016. Stockholders may also obtain copies of the definitive proxy statement, without charge, at the SEC's website at [www.sec.gov](http://www.sec.gov) or by directing a request to: Approach Resources Inc., One Ridgmar Centre, 6500 West Freeway, Suite 800, Fort Worth, Texas 76116, Attention: Investor Relations, (817) 989-9000. Participants in Solicitation The Company and its directors and officers may be deemed participants in the solicitation of proxies of the Company's stockholders in connection with the exchange transactions. The Company stockholders and other interested persons may obtain, without charge, more detailed information regarding the directors and officers of the Company in the Company's proxy statement for its 2016 Annual Meeting of Stockholders, which was filed with the SEC on April 20, 2016. Information regarding the persons who may, under the SEC rules, be deemed participants in the solicitation of proxies to the Company stockholders in connection with the exchange transactions is set forth in the definitive proxy statement. Additional information regarding the interests of participants in the solicitation of proxies in connection with the exchange transactions is included in such definitive proxy statement. NO OFFER OR SOLICITATION

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