### SECURITIES AND EXCHANGE COMMISSION

# **FORM 425**

Filing under Securities Act Rule 425 of certain prospectuses and communications in connection with business combination transactions

Filing Date: **2016-09-01** SEC Accession No. 0001193125-16-698976

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### SUBJECT COMPANY

#### Memorial Resource Development Corp.

CIK:1599222| IRS No.: 464710769 | State of Incorp.:DE | Fiscal Year End: 1231 Type: 425 | Act: 34 | File No.: 001-36490 | Film No.: 161864623 SIC: 1311 Crude petroleum & natural gas

### FILED BY

#### RANGE RESOURCES CORP

CIK:315852| IRS No.: 341312571 | State of Incorp.:DE | Fiscal Year End: 1231 Type: 425 SIC: 1311 Crude petroleum & natural gas Mailing Address 500 DALLAS STREET SUITE 1800 HOUSTON TX 77002 Business Address 500 DALLAS STREET SUITE 1800 HOUSTON TX 77002 713-588-8300

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FILED BY RANGE RESOURCES CORPORATION PURSUANT TO RULE 425 UNDER THE SECURITIES ACT OF 1933 AND DEEMED FILED PURSUANT TO RULE 14a-12 UNDER THE SECURITIES EXCHANGE ACT OF 1934

SUBJECT COMPANY: MEMORIAL RESOURCE DEVELOPMENT CORP. (FILE NO. 001-36490)

### RANGE RESOURCES® Company Presentation

September 1, 2016

## Forward-Looking Statements

This communication contains certain "forward-looking statements" within the meaning of federal securities laws, including within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 that are not limited to historical facts, but reflect Range's and MRD's current beliefs, expectations or intentions regarding future events. Words such as "may," "will," "could," "should," "expect," ""plan," "project," "intend," "anticipate," "believe," "estimate," "predict," "predict," "predict," "continue," and similar expressions are intended to identify such forward-looking statements in this presentation that are not historical statements, including statements regarding the expected timetable for completing the proposed transaction, benefits and synergies of the proposed transaction, costs and other anticipated financial impacts of the proposed transaction; the combined company's plans, objectives, future opportunities for the combined company and products, future financial performance and operating results and any other statements regarding statements within the meaning of the federal securities laws.

Furthermore, the statements relating to the proposed transaction are subject to numerous risks and uncertainties, many of which are beyond Range's or MRD's control, which could cause actual results to differ materially from the results expressed or implied by the statements. These risks and uncertainties include, but are not limited to: failure to obtain the required votes of Range's or MRD's shareholders; the timing to consummate the proposed transaction of the conditions to closing of the proposed transaction may not be satisfied or that the closing of the proposed transaction of nanagement time on transaction-related issues; the ultimate timing, outcome and results of integrating the operations of Range and MRD; the effects of the business combination of Range and MRD, including the combined company's future financial condition, results of operations, strategy and plans; potential adverse transaction and the ability of Range to realize such synergies and other benefits; expectations regarding regulatory approval of the transaction; results of litigation, settlements and workdwide economy; consequences of audits and investigations by government agencies; changes in the demand for or price of oil and/or natural gas exploration; compliance with environmental law; changes in government regulatory approval income; wather-related issue; the oil and natural gas exploration; compliance with averse related to oil and natural gas exploration; compliance with aws; delays or failures by such agencies; delays or faultory requirements, particularly those related to oil and natural gas exploration; compliance with environmental law; changes in government regulations and regulatory requirements, particularly those related to oil and natural gas industry; and anitaling a highly skilled workforce.

Range's and MRD's respective reports on Form 10-K for the year ended December 31, 2015, Form 10-Q for the quarter ended March 31, 2016 and June 30 2016, recent Current Reports on Form 8-K, and other SEC filings, including the registration statement on Form S-4, as amended, that includes a joint proxy statement of Range and MRD and constitutes a prospectus of Range, discuss some of the important risk factors identified that may affect these factors and Range's and MRD's respective business, results of operations and financial condition. Range and MRD undertake no obligation to revise or update publicly any forward-looking statements for any reason. Readers are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof.

The SEC permits oil and gas companies, in filings made with the SEC, to disclose proved reserves, which are estimates that geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions as well as the option to disclose probable and possible reserves. Range has elected not to disclose the Company's probable and possible reserves in its filings with the SEC. Range uses certain broader terms such as "resource potential," "unrisked resource potential," "unproved resource potential" or "upside" or other descriptions of volumes of resources potentially recoverable through additional drilling or recover techniques that may include probable and possible reserves as defined by the SEC's guidelines. Range has not attempted to distinguish probable and possible reserves from these broader classifications. The SEC's rules prohibit us from including in filings with the SEC these broader classifications of reserves. These estimates are by their nature more speculative than estimates of hydrocarbon quantities that may be potential ly discovered through exploratory drilling or recovere techniques and have not been reviewed by independent engineers. Unproved resource potential does not constitute reserves within the meaning of the Society of Petroleum Resource Management System and does not include proved reserves. Area wide unproven resource potential has not been fully risked by Range's management. "EUR," or estimated ultimate recovery, refers to our management's estimates of hydrocarbon quantities that may be recovered from a well completed as a producer in the area. These quantities may not necessarily constitute or represent reserves within the meaning of the Society of Patroleum Resource Management System or the SEC's oil and natural gas disclosure rules. Actual quantities that may be recovered from Range's interests could differ substantially. Factors affecting ultimate recovery include the scope of Range's dri

In addition, our production forecasts and expectations for future periods are dependent upon many assumptions, including estimates of production decline rates from existing wells and the undertaking and outcome of future drilling activity, which may be affected by significant commodity price declines or drilling cost increases. Investors are urged to consider closely the disclosure in our most recent Annual Report on Form 10-K, available from our website at www.rangeresources.com or by written request to 100 Throckmorton Street, Suite 1200, Fort Worth, Texas 76102. You can also obtain this Form 10-K on the SEC's website at www.sec.gov or by calling the SEC at 1-800-SEC-0330.

## Range's Keys for Success

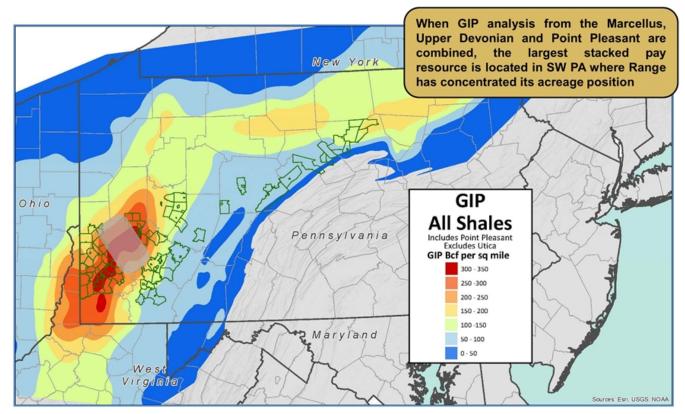
Low-cost structure with ability to continue to drive costs down

Continual capital efficiency improvement Low-cost takeaway capacity improves realizations and enhances flexibility

Strong hedge and liquidity profile with no near-term debt maturities

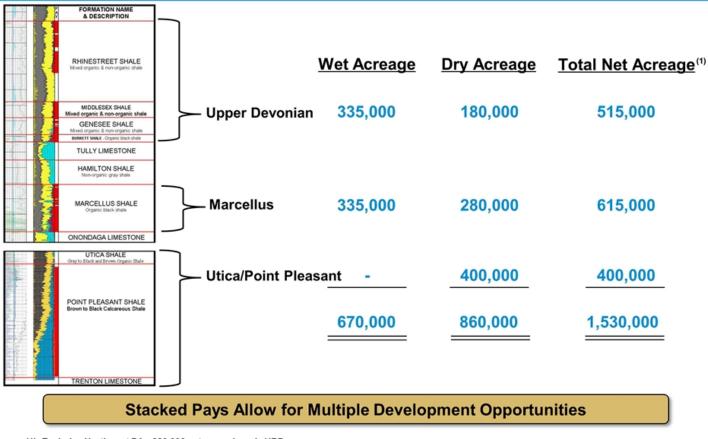
# High quality acreage position in core of Marcellus

## Gas In Place (GIP) Analysis Shows Greatest Potential in SW PA



Note: Townships where Range holds ~2,000+ acres (as of January 2016) and estimated as prospective, are outlined green. GIP - Range estimates.

## SW/NE Pennsylvania Stacked Pays



(1) Excludes Northwest PA - 280,000 net acres, largely HBP

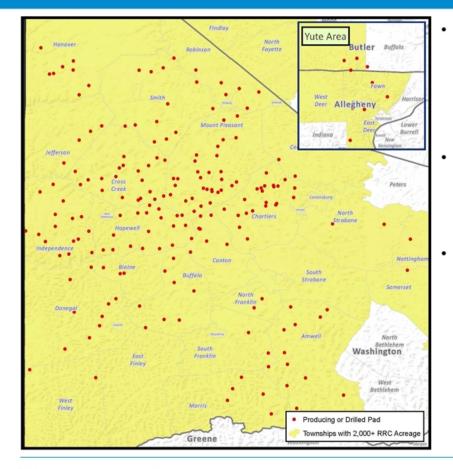
# Marcellus Wells – An Industry Leader

	SW Super-Rich	SW Wet	SW Dry	NE Dry
EUR	16.0 Bcfe 1,450 Mbbls & 7.3 Bcf	20.6 Bcfe 1,756 Mbbls & 10.1 Bcf	17.6 Bcf	20.5 Bcf
EUR/1,000 ft. lateral	2.4 Bcfe	3.0 Bcfe	2.5 Bcf	2.5 Bcf
EUR/stage	485 Mmcfe	589 Mmcfe	503 Mmcf	500 Mmcf
Well Cost	\$5.9 MM	\$5.8 MM	\$5.2 MM	\$4.3 MM
Cost/1,000 ft. lateral	\$881 K	\$832 K	\$743 K	\$518 K
Stages	33	35	35	41
Lateral Length	6,660 ft.	6,970 ft.	7,000 ft.	8,200 ft.
Strip (as of 6/30/16)	26%	25%	59%	70%
F&D Cost/mcfe	\$0.44	\$0.34	\$0.36	\$0.25

#### Range Marcellus 2016 Well Economic Summary

See appendix for complete assumptions and data on each area

## Existing Pads Enhance Future Development for Range



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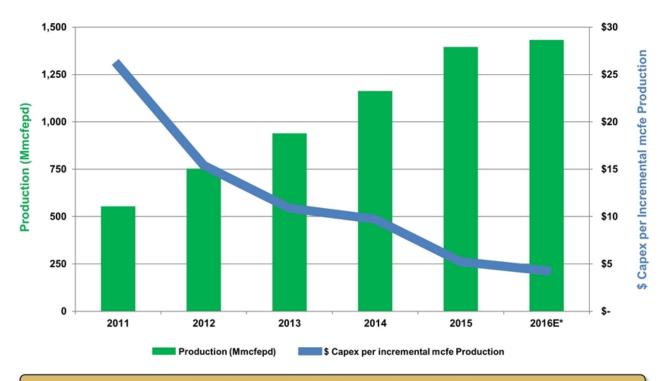
- Expansive inventory of over 200 pads
  - · 124 pads: 5 or fewer wells
  - 59 pads: 6-9 wells
  - New pads in progress

#### Pads accommodate ~20 wells

- Flexibility to drill Marcellus, Utica / Point Pleasant or Upper Devonian formations
- Realization of significant time and cost savings
  - Minimal permitting
  - Existing roads, surface facilities and gathering system in place

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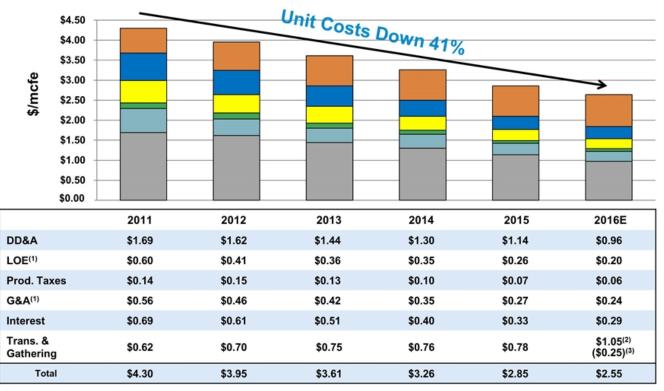
# Sustained Growth + Improving Capital Efficiency



#### Market-Leading Capital Efficient Spending Program

\* 2016 production estimated at midpoint of guidance with capital budget of \$495M

## Driving Down Unit Costs



(1) Excludes non-cash stock compensation

(2) Includes additional NGL & natural gas firm transport agreements. Propane transport costs were previously netted against NGL revenue.

Incremental natural gas & NGL revenue, including additional ethane production, will more than offset the 2016 increase in transport expense

(3) Expected improvement in differentials as a result of additional transportation capacity

## **Near-Term Price Enhancements**

#### **Natural Gas Differential**

- Ability to utilize full year of Spectra's Uniontown to Gas City project, including ~200 Mmcf/day of gas production from local Appalachia M2 to Midwest markets
- Additional takeaway projects could strengthen local pricing differentials
  - Gulf Expansion Phase 1 online in 4Q2016

#### NGL (Natural Gas Liquids) Differential

- Only producer with capacity on the fully operational Mariner East project to Marcus Hook
  - 20,000 barrels per day of ethane transportation to fulfill contract with INEOS
  - 20,000 barrels per day of propane transportation with access to international propane markets

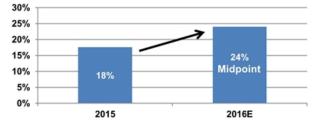
#### **Condensate Differential**

 Initiated new marketing arrangements which improve Marcellus condensate realizations

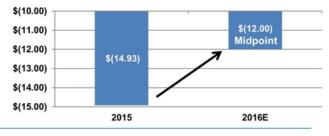
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\$0.00 \$(0.10) \$(0.20) \$(0.30) \$(0.40) \$(0.60) \$(0.50) \$(0.60) \$(0.70) 2015 2016E





**RRC Corporate Condensate Differential to WTI** 



#### **RRC Marcellus NG Differential to NYMEX**

# Appalachia Gas Transportation Arrangements

Regional Direction	Projected	Avg. 2016	Projected Avg. 2017		
	Mmbtu/day	Transport Cost per Mmbtu	Mmbtu/day	Transport Cost per Mmbtu	
Firm Transportation					
Appalachia/Local	390,000	\$ 0.20	325,000	\$ 0.21	
Gulf Coast	295,000	\$ 0.30	510,000	\$ 0.31	
Midwest/Canada	285,000	\$ 0.28	330,000	\$ 0.30	
Northeast	210,000	\$ 0.59	210,000	\$ 0.59	
Total Gross Takeaway Capacity	1,180,000	\$ 0.31	1,375,000	\$ 0.35	
Total Net Takeaway Capacity	980,000	\$ 0.31	1,140,000	\$ 0.35	
Estimated Marcellus Differential to NYMEX <sup>(1)</sup>	(\$0.40)	- (\$0.45)	(\$0.25)	- (\$0.35)	

Does not include current intermediary pipeline capacity (gathering) of >650,000 Mmbtu/day and assumes full utilization. Based on pipeline operator's anticipated project start dates.

Additional capacity expected to improve differentials in 2016, 2017 and 2018

(1) Based on expected utilization of capacity and forward pricing with differentials as of July 2016

# Strong Unhedged Recycle Ratio

**Recycle Ratio: (Margin divided by F&D)** 

Pre-Hedge Price (Assuming 2017 NYMEX \$3.10/\$50)	~ \$2.70
All-In Cash Unit Costs (2016 Expected)	\$1.84
Adjusted Margin	~ \$0.86
Expected Future Development Cost for PUD Reserves	\$0.40

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# Strong, Simple Balance Sheet

	YE 2013	YE 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015		Q1 2016	Q2 2016	
(\$ in millions)										
Bank borrowings <sup>(1)</sup>	\$500	\$723	\$912	\$364	\$987	\$95		\$31	\$3	
Sr. Notes <sup>(1)</sup>				750	750	750		750	750	
Sr. Sub. Notes <sup>(1)</sup>	2,641	2,350	2,350	2,350	1,850	1,850		1,850	1,850	
Less: Cash	(0)	(0)	(0)	(0)	(0)	(0)		(0)	(0)	_
Net debt	3,141	3,073	3,262	3,464	3,587	2,695		2,631	2,603	←
Common equity	2,414	3,456	3,490	3,381	3,085	2,760		2,672	2,464	2
Total capitalization	\$5,555	\$6,529	\$6,752	\$6,845	\$6,672	\$5,455		\$5,303	\$5,067	
Debt-to capitalization	57%	47%	48%	50%	54%	49%	1	50%	51%	٦
Debt/EBITDAX	2.8x	2.6x	2.9x	3.3x	3.7x	3.0x		3.3x	3.6x	
Liquidity <sup>(2)</sup>	\$1,166	\$1,172	\$980	\$1,527	\$876	\$1,267 <sup>(3)</sup>		\$1,238 <sup>(3)</sup>	\$1,265 <sup>(3)</sup>	

#### Lowest Debt Level Since 2012

(1) Excludes unamortized debt issuance costs

(2) Liquidity based on bank commitment amount, which excludes additional liquidity under total borrowing base

(3) Liquidity currently limited based on senior subordinated notes indenture provision

## Liquidity and Financial Capacity (pre-merger)

- Lowest debt since 2012
- \$4B credit facility unanimously reaffirmed by bank group
  - \$3B borrowing base
  - \$2B committed
  - \$0.003B drawn
- No note maturities until 2021
- ~80% of 2016 remaining gas production hedged at ~\$3.22, ~30% of 2017 gas production hedged at \$2.94
- Solid, stable coverage on debt covenants



### Range's Keys for Success – Assets, Team, Agreements & Strategy

#### Low cost structure with ability to continue driving costs lower

- Unit costs down over 40% in the last 5 years
- Lower debt balances reduce interest expense
- High-grading asset sales have lowered operating costs

#### Low-cost takeaway capacity with built-in flexibility

- First-mover advantage allowed Range to secure capacity on low-cost expansion projects
- Anticipated excess infrastructure build-out and avoided contracting for excessive firm transport

## Improving capital efficiency

- Longer laterals; 2016 plan average ~7,000 ft., 2017 plan est. to average ~8,000 ft.
- Improved targeting and completions
- Existing pad locations with facilities and gathering
- 2017 maintenance capex estimated at ~\$300 million

#### Strong hedges and ample liquidity

- Over 80% of expected 3<sup>rd</sup> & 4<sup>th</sup> quarter production hedged at a floor price of \$3.22 per mcf
- Roughly ~30% of 2017 gas production hedged at \$2.94
- At 06/30/16, only ~\$3 million drawn on \$2 billion credit facility
- 2016 program expected to use cash flow and asset sales, preserving liquidity

#### Better realizations from additional takeaway capacity and sales agreements

- Ability to reach premium markets and deliver products outside Marcellus, including international exports
- Marketing arrangements expected to improve netback pricing for all products

#### High quality, large scale acreage position containing repeatable projects with good returns

- Optionality and flexibility due to quality of acreage position, gathering system, available locations on existing pads
- · Further improvements expected

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### **Proposed Merger with Memorial Resource Development**

Announcement Date: May 16, 2016

Special Meeting Date: September 15, 2016

Expected Closing Date: Late-Q3 2016

## Highlights of Merger

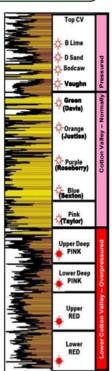
Core acreage positions in the two highest return, lowest cost natural gas plays
 Immediately cash flow accretive and credit enhancing
 Complementary assets positioned near expanding natural gas and NGL demand centers
 Combination of two low-cost gas producers with opportunities to drive costs lower, improve returns and increase cash flow
 Significant Lower Cotton Valley potential across acreage

## **Combining Two High Quality Assets**

### Terryville Acreage in Northern Louisiana

- · Low risk and high repeatability
- Near-term focus primarily on Upper Red
  - Stacked pay area with further potential development opportunity
- Prolific horizontal well
   performance
  - Many of the top 30-day IP rates in the U.S. came from the Upper Red
- Upside from operational enhancements
  - Improved lateral targeting and placement
  - Cost reductions through service relationships and reduced drilling and completions time

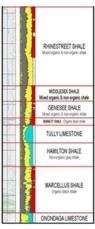
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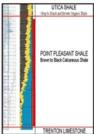


N. Louisiana - not to scale

### Marcellus Acreage in Pennsylvania

- Low risk and high repeatability
- Near-term focus on Marcellus development in SW PA
  - Stacked pay area with further potential development opportunity
- Prolific horizontal well performance
  - EUR / 1,000 lateral length of ~2.5 to 3.0 Bcfe, on average
- Upside from operational efficiencies
  - Targeting the most productive areas
  - Utilizing existing pads and infrastructure to lower cost and maximize returns





SW Pennsylvania - not to scale

# Immediately Accretive & Credit Enhancing

<u>Annual Consensus Metrics</u> *	Existing RRC	Pro Forma RRC	% Change
2016E Production	520 Bcfe	670 Bcfe	+29%
2016E Production per day	1,420 Mmcfe	1,830 Mmcfe	+29%
2016E Cash Flow	\$375 Million	\$780 Million	+108%
2016E Cash Flow per share	\$2.24	\$3.20	+43%
• 2016E Cash Margin per Mcfe	\$0.72	\$1.17	+62%
YE 2016E Debt to EBITDAX	4.8x	3.5x	+27%
YE 2016E Debt to Cap	50%	37%	+26%

#### Significant Enhancement to Cash Flow Per Share and Credit Metrics

\* Using 5/13/16 Consensus estimates

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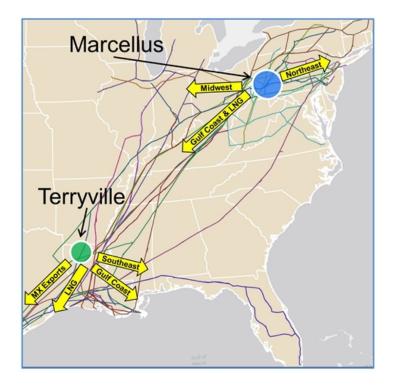
## Marketing and Operational Efficiencies

### Marketing

- MRD's position gives Range a presence in the Gulf Coast in advance of additional transportation availability out of Appalachia
- MRD's production receives near NYMEX pricing which will improve corporate differentials
- Opportunities to optimize Range's transportation portfolio
- Creates an expanding and improved Range customer base in or near multiple demand areas

### Operational

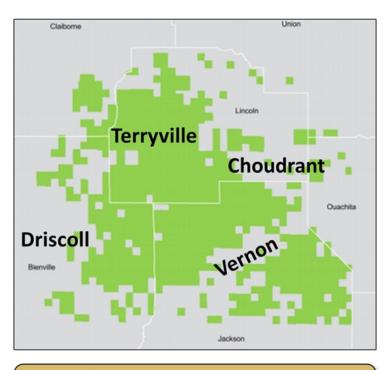
- Modified drilling and targeting techniques
- Capital cost reductions through leveraging service provider relationships and reducing drilling or completion times
- Overhead efficiencies



## 220,000 Acres of Lower Cotton Valley Potential<sup>(1)</sup>

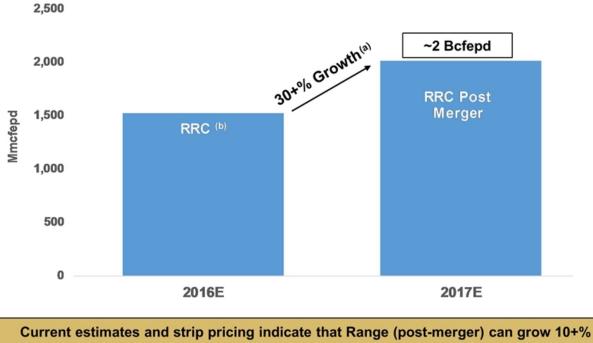
- The position is anchored to the north by Terryville Field, to the south by Vernon Field, to the east by Choudrant Field and to the west by Driscoll Field
- Multiple vertical Lower Cotton Valley wells show:
  - Section exists across acreage
  - Gas charged
  - Good vertical production
- Good vertical wells should lead to good horizontal wells
- The Lower Cotton Valley gets thicker and higher pressured as you move south from Terryville Field
- MRD has drilled three vertical pilots
  - (1) Assumes full exercise of an acreage option agreement to lease acreage in North Louisiana

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The over-pressured Lower Cotton Valley interval exists across the area

## 2017 Growth Trajectory



organically in 2017 at or near cash flow, which represents 30+% growth y/y

(a) 30% growth represents Range full-year 2016 production with one quarter of MRD (4Q16) and a 2017 organic growth rate of 10+% based on strip prices as of 07/27/2016

(b) Assumes MRD in 4th Qt. 2016

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## Why Invest in Range?

- Ability to allocate capital between the two highest return, lowest cost natural gas plays
- Unhedged recycle ratio of ~2x near strip prices allows for efficient development of asset base
- 2017 growth of 30+% (spending at or near cash flow with strip pricing<sup>(a)</sup>); also positions Range well for growth in 2018
- ~90% of natural gas production will be sold in favorable markets by end of 2017
- Improving differentials expected on natural gas, NGLs and condensate from improved marketing agreements

(a) Based on 10% organic growth at strip pricing on 7/27/16

# Appendix

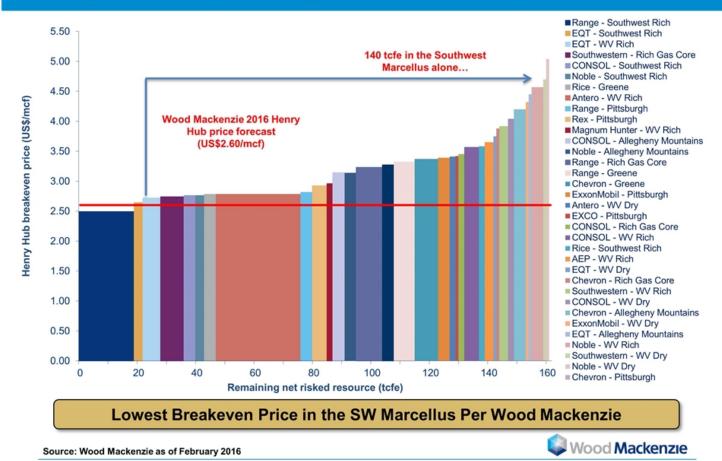






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## Range: Low-Cost, Large Scale



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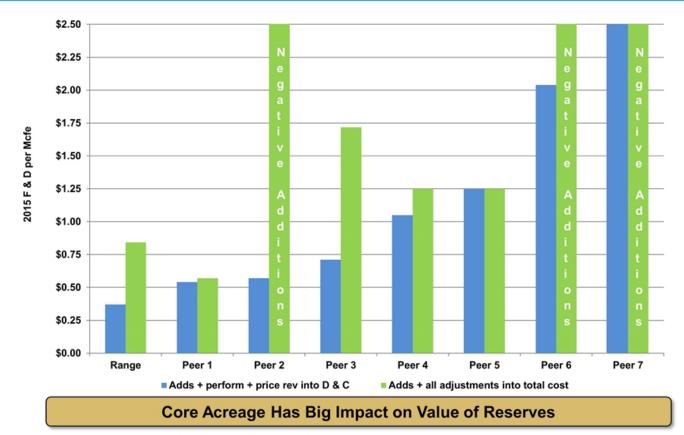
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# Appalachian Peers Well Cost Comparison

	Average Well Cost* (\$000's)	Average Lateral Length (ft.)	<b>Cost</b> (per 1,000 ft.)
Range	\$5,630	6,876	\$819 K
Peer A	6,300	7,000	900
Peer B	8,100	9,000	900
Peer C	5,700	7,000	814
Peer D	7,350	7,500	980
Peer E	7,100	7,700	925
Peer Average	\$6,190	7,640	\$904 K

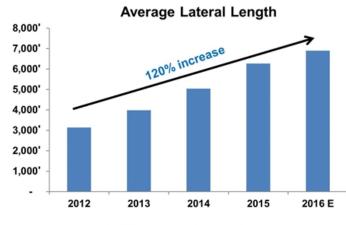
Peers included: AR, COG, EQT, RICE, SWN - data comes from presentations as of 07/26/16 \* Costs should include surface facilities

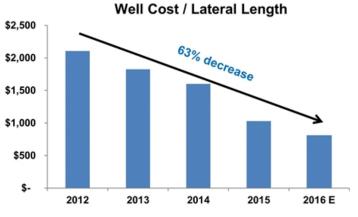
# Appalachia Producer's 2015 F & D Costs



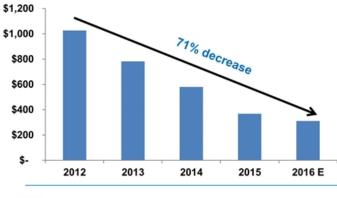
Peers included: Antero, Cabot, Consol, EQT, Gulfport, Rice & Southwestern

## Cost & Efficiency Improvements – SW Pennsylvania

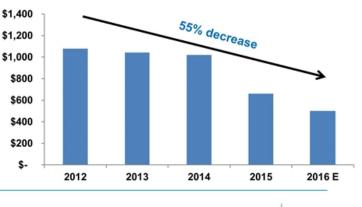












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## Cost & Efficiency Improvements – Northern Marcellus



## Mariner East: Opening New Lanes

First Shipments of Ethane & Propane – Faster Propane Loading Combined with VLGC Ships

- Only producer with current capacity on Mariner East
- Historic first shipments of ethane from U.S. to Europe
- Optionality of selling propane internationally or in local markets
- Improved ethane and propane realizations in 2016 for Range



Ethane loading in progress



First VLGC Loading of Range Propane for Export

## Track Record of Impressive Reserve Replacement at Low Cost

	2011	2012	2013	2014	2015	3-Year Average	5-Year Average
Reserve Replacement							
All sources – excluding PUD removals <sup>(1)</sup>	849%	680%	745%	793%	436%	638%	669%
All sources <sup>(2)</sup>	849%	680%	636%	649%	207%	469%	546%
Finding Costs							
Drill bit only – without acreage <sup>(1)</sup>	\$0.76	\$0.76	\$0.47	\$0.44	\$0.37	\$0.43	\$0.53
Drill bit only – with acreage <sup>(1)</sup>	\$0.89	\$0.86	\$0.52	\$0.51	\$0.40	\$0.48	\$0.60
All sources – excluding PUD removals <sup>(2)</sup>	\$0.89	\$0.86	\$0.52	\$0.54	\$0.40	\$0.50	\$0.61
All sources <sup>(2)</sup>	\$0.89	\$0.76	\$0.61	\$0.67	\$0.84	\$0.68	\$0.75

(1) Includes performance and price revisions, excludes SEC required PUD removal due to 5-year rule

(2) From all sources, including price, performance and SEC required PUD removal due to 5-year rule

(3) Percentages shown are compounded annual growth rate

### SW PA Super-Rich Area Marcellus Projected 2016 Well Economics

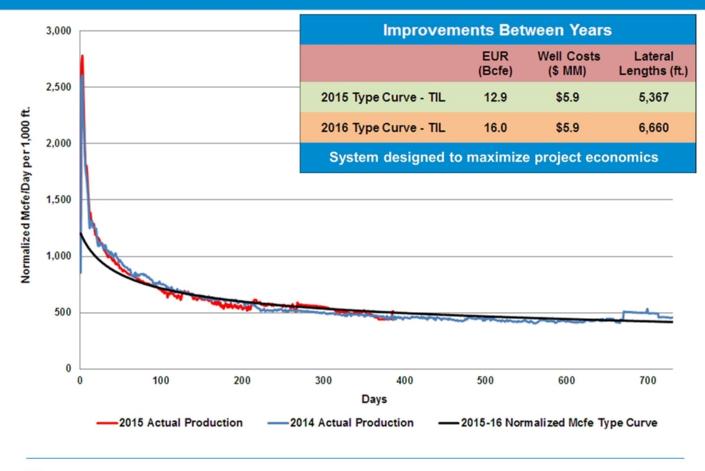
- Southwestern PA (High Btu case)
- 110,000 Net Acres
- EUR / 1,000 ft. 2.40 Bcfe
- EUR 16.0 Bcfe (226 Mbbls condensate, 1,224 Mbbls NGLs & 7.3 Bcf gas)
- Drill and Complete Capital \$5.87 MM (\$881 K per 1,000 ft.)
- Average Lateral Length 6,660 ft.
- F&D \$0.44/mcfe

Estimated Cumulative Recovery for 2016 Production Forecast					
	Condensate (Mbbls)	Residue (Mmcf)	NGL w/ Ethane (Mbbls)		
1 Year	48	661	111		
2 Years	73	1,142	192		
3 Years	92	1,555	261		
5 Years	120	2,246	378		
10 Years	161	3,517	591		
20 Years	195	5,157	867		
EUR	226	7,279	1,224		

NYMEX Gas Price	ROR
Strip -	26%
\$3.00 -	26%

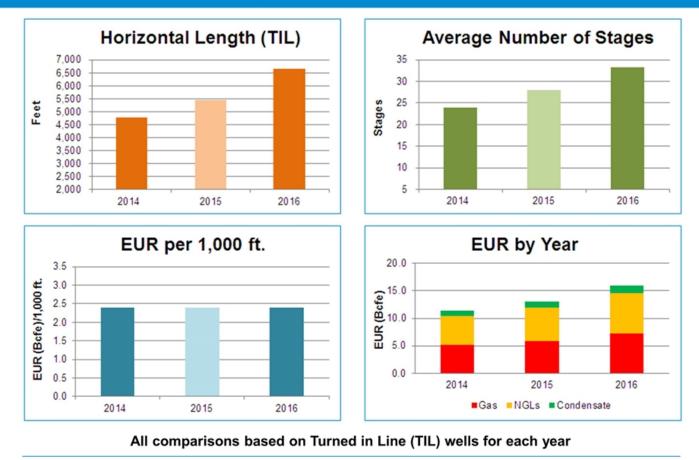
- Price includes current and expected differentials less gathering, transportation and processing costs
- For flat pricing, oil price assumed to be \$40/bbl for 2016, \$50/bbl for 2017 then \$65/bbl to life with no escalation
- NGL is average price including ethane with escalation
- Ethane price tied to ethane contracts
   plus same comparable escalation
- Strip dated 06/30/2016 with 10-year average \$55.42/bbl and \$3.29/mcf

## Southwest PA - Super-Rich Area 2016 Turn in Line Forecast



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## Southwest PA – Super-Rich Marcellus



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### SW PA Wet Area Marcellus Projected 2016 Well Economics

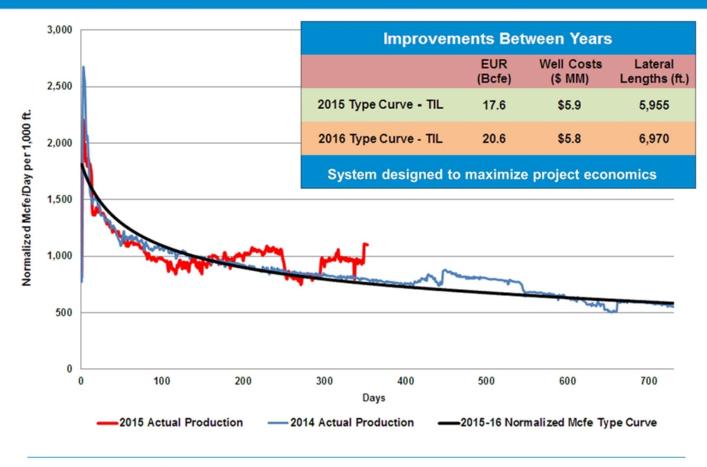
- Southwestern PA (Wet Gas case)
- 225,000 Net Acres
- EUR / 1,000 ft. 2.95 Bcfe
- EUR 20.6 Bcfe
  (56 Mbbls condensate, 1,700 Mbbls NGLs & 10.1 Bcf gas)
- Drill and Complete Capital \$5.8 MM (\$832 K per 1,000 ft.)
- Lateral Length 6,970 ft.
- F&D \$0.34/mcfe

Estimated Cumulative Recovery for 2016 Production Forecast						
	Condensate Residue (Mbbls) (Mmcf) (Mbbls)					
1 Year	20	1,211	204			
2 Years	30	2,014	339			
3 Years	36	2,665	449			
5 Years	44	3,694	622			
10 Years	51	5,470	921			
20 Years	55	7,654	1,289			
EUR	56	10,100	1,700			

NYMEX Gas Price	ROR
Strip -	25%
\$3.00 -	25%

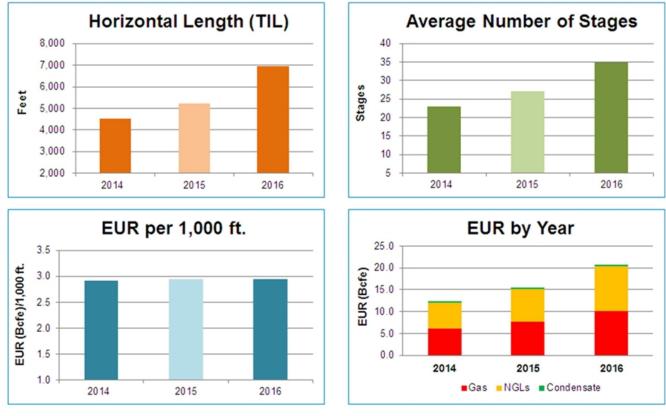
- Price includes current and expected differentials less gathering, transportation and processing costs
- For flat pricing, oil price assumed to be \$40/bbl for 2016, \$50/bbl for 2017 then \$65/bbl to life with no escalation
- NGL is average price including ethane with escalation
- Ethane price tied to ethane contracts
   plus same comparable escalation
- Strip dated 06/30/2016 with 10-year average \$55.42/bbl and \$3.29/mcf

### Southwest PA - Wet Area 2016 Turn in Line Forecast



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### Southwest PA – Wet Marcellus



All comparisons based on Turned in Line (TIL) wells for each year

#### SW PA Dry Area Marcellus Projected 2016 Well Economics

- Southwestern PA (Dry Gas case)
- 180,000 Net Acres
- EUR / 1,000 ft. 2.52 Bcf
- EUR 17.6 Bcf
- Drill and Complete Capital \$5.2 MM (\$743 K per 1,000 ft.)
- Average Lateral Length 7,000 ft.
- F&D \$0.36/mcf

Estimated Cumulative Recovery for 2016 Production Forecast						
Residue (Mmcf)						
1 Year	3,039					
2 Years	4,674					
3 Years	5,866					
5 Years	7,609					
10 Years	10,392					
20 Years	13,633					
EUR	17,641					

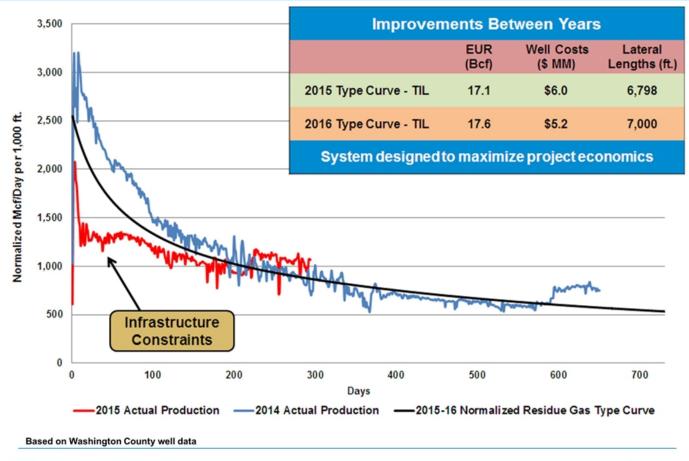
NYMEX Gas Price	ROR
Strip -	59%
\$3.00 -	54%

- Price includes current and expected differentials less gathering and transportation costs
- Strip dated 06/30/2016 with 10-year average \$55.42/bbl and \$3.29/mcf

Based on Washington County well data

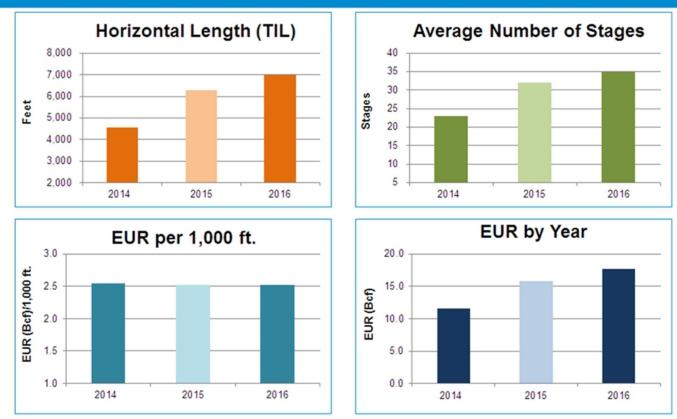
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### SW PA- Dry Area 2016 Turn in Line Forecast



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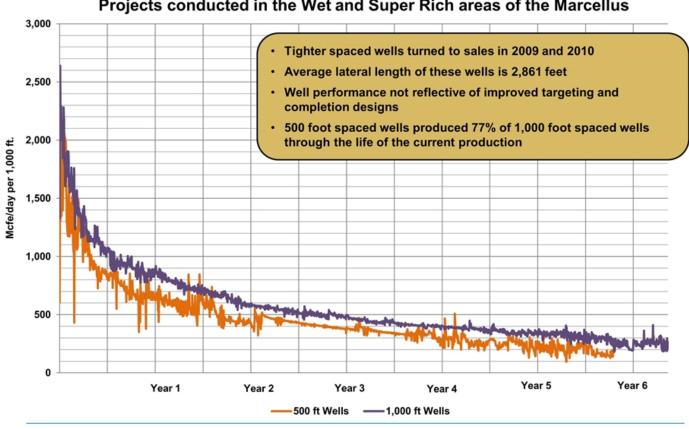
### Southwest PA– Dry Marcellus



#### All comparisons based on Turned in Line (TIL) wells for each year

Based on Washington County well data

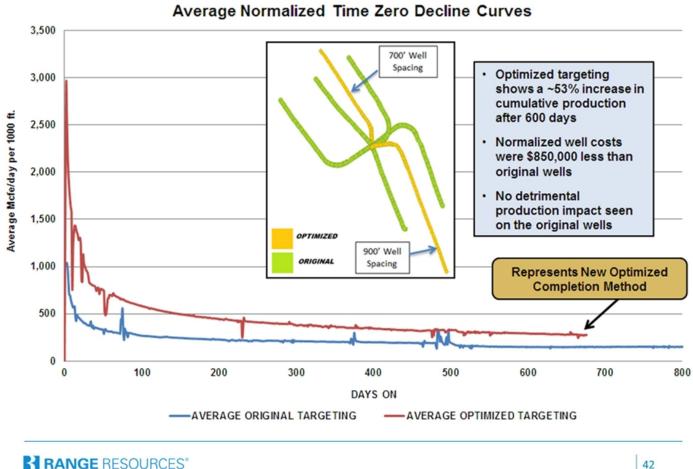
#### Normalized Production Results of Marcellus Tighter Spacing Projects



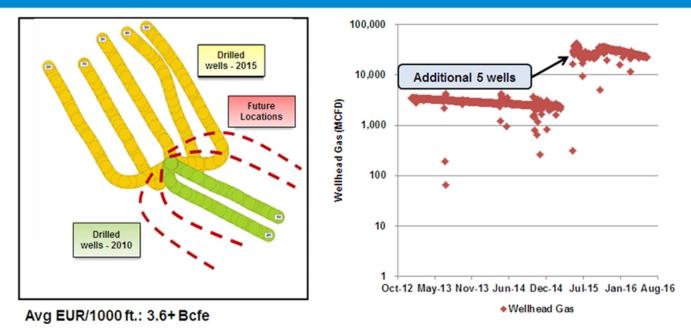
#### Projects conducted in the Wet and Super Rich areas of the Marcellus

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### Targeting/Downspacing Test Results Encouraging

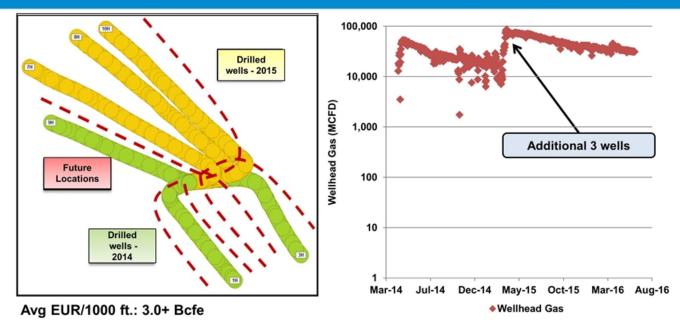


### Returning to Existing Pads – SW Wet



- Ability to target our best areas with 3.6+ Bcfe/1,000 ft.
- New wells have EURs 22% higher than the average wet well
- Significant cost savings

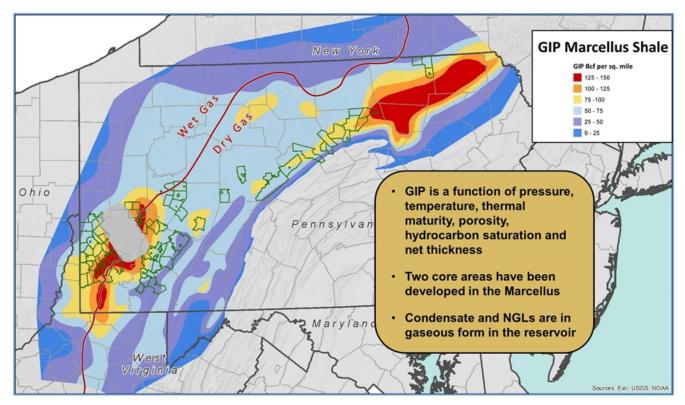
### Returning to Existing Pads – SW Dry



Ability to target our best areas with 3.0+ Bcfe/1,000 ft.

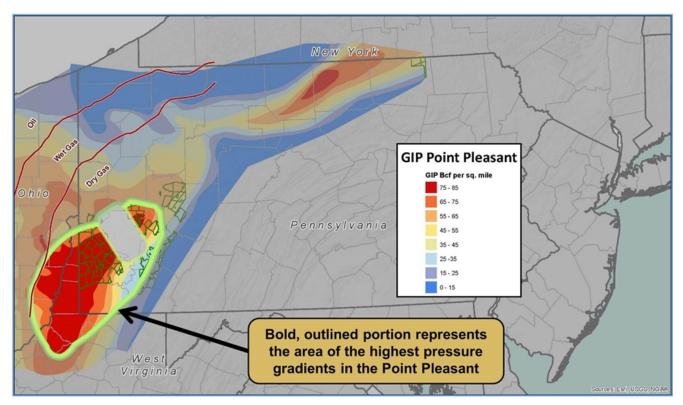
- New wells have EURs 20% higher than the average dry well
- Significant cost savings

### Gas In Place (GIP) – Marcellus Shale



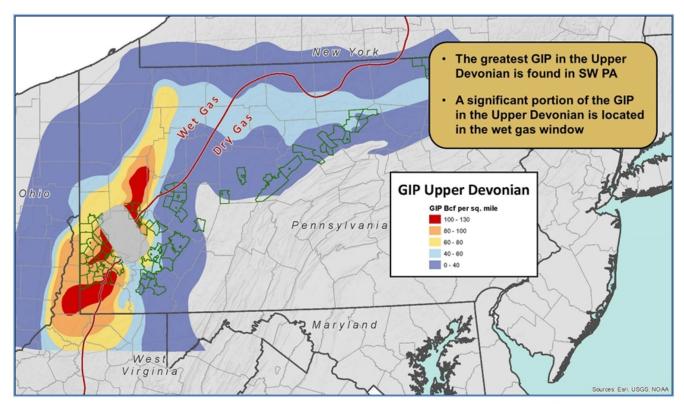
Note: Townships where Range holds ~2,000+ acres (as of January 2016) and estimated as prospective, are outlined green. GIP - Range estimates.

### Gas In Place (GIP) – Point Pleasant



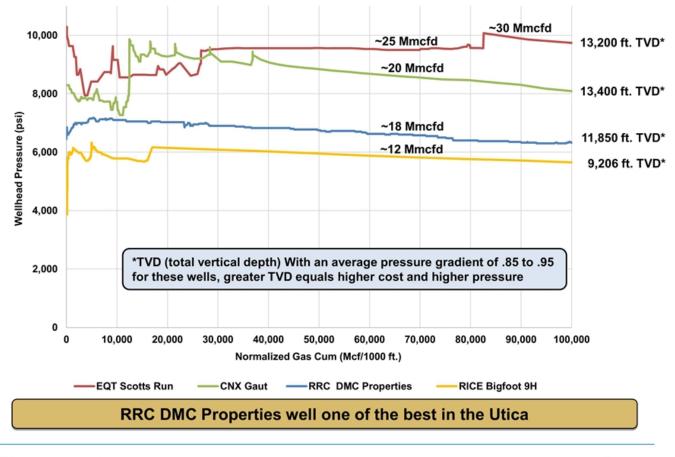
Note: Townships where Range holds ~2,000+ acres (as of January 2016) and estimated as prospective, are outlined green. GIP - Range estimates.

### Gas In Place (GIP) – Upper Devonian Shale



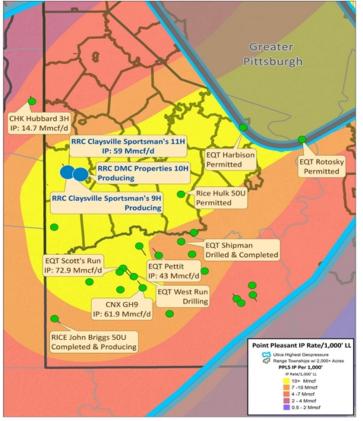
Note: Townships where Range holds ~2,000+ acres (as of January 2016) and estimated as prospective, are outlined green. GIP - Range estimates.

#### Utica Wells – Wellhead Pressure vs. Cumulative Production Early Time Production Data (Including Flowback/Test Data)



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### Utica/Point Pleasant Update



Note: Townships where Range holds ~2,000+ or more acres are shown outlined above (as January 2016)

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- Continued improvement in well performance for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> wells due to higher sand concentration and improved targeting
- 3<sup>rd</sup> well appears to be one of the best dry gas Utica wells in the basin
- 3<sup>rd</sup> well fully online in Q3
- 400,000 net acres in SW PA prospective

### Macro Section







#### Significant Natural Gas Demand Growth Projected – Beginning in 2016

	2016	2017	2018	2019	2020
LNG Exports					
Sabine Pass	1.2	1.2		0.7	
Freeport			0.5	1.0	
Cove Point			0.8		
Cameron			1.2	0.6	
Corpus Christi				0.8	0.8
LNG Sub-Total	1.2	1.2	2.6	3.1	0.8
Mexico/Canada Exports					
Mexico Net Exports	0.5	0.3	0.3	0.3	0.4
Canada net Exports	0.1	0.1	0.1	0.1	0.1
Mexico/Canada Sub-Total	0.6	0.4	0.4	0.4	0.5
	0.0	0.1	0.1	0.1	0.0
Power Generation					
Coal Plant Retirements	0.4	0.3	0.1	0.0	0.3
Nuclear Retirements	-	-	0.1	0.1	0.2
Incremental Electricity Demand	0.1	0.1	0.1	0.2	0.2
Power Generation Sub-Total	0.5	0.4	0.4	0.3	0.7
Industrial					
Methanol	0.3	0	0	0	0
Ethylene	0	0.4	0.1	-	0.1
Ammonia	0.5	0.1	0.2	0.1	0.1
Industrial Sub-Total	0.8	0.4	0.3	0.1	0.2
	0.0	0.1	0.0	0/1	0/2
Transportation					
New Fueling Opportunities	-	-	0.1	0.1	0.1
Transportation Sub-Total	-	-	0.1	0.1	0.1
	2016	2017	2018	2019	2020
Total	3.1	2.5	3.7	4.0	2.2

#### LONG TERM US NATURAL GAS DEMAND ROADMAP (BCF/D)

Research report dated 07/07/2016

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#### **US LNG Export Projects Under Construction**

	US LNG Projects Under Construction									
Projects	Uncontracted Capacity (bcf/d)	Contracted Capacity (bcf/d)	Nameplate Capacity (bcf/d)	Percent Contracted	Online Date					
Sabine Pass T1-4	0.3	2.1	2.4	89%	Feb-16 - Sept-17					
Cameron LNG T1-3	0	1.7	1.7	100%	Early/Mid/Late-18					
Freeport LNG T1-3	0.1	1.7	1.8	97%	Sept-18 - Aug-19					
Cove Point T1	0.1	0.7	0.8	92%	Dec-17					
Corpus Christi T1-2	0.2	1.0	1.2	86%	Jun-19, Apr-20					
Sabine Pass T5	0.1	0.5	0.6	83%	19-Jan					
Total	0.7	7.8	8.4	92%	NA					

Nameplate US export capacity to total 8.4bcf/d by YE 2020 with just over 8bcf/d exportable 2020.

■ >90% or 7.9bcf/d of the capacity is contracted.

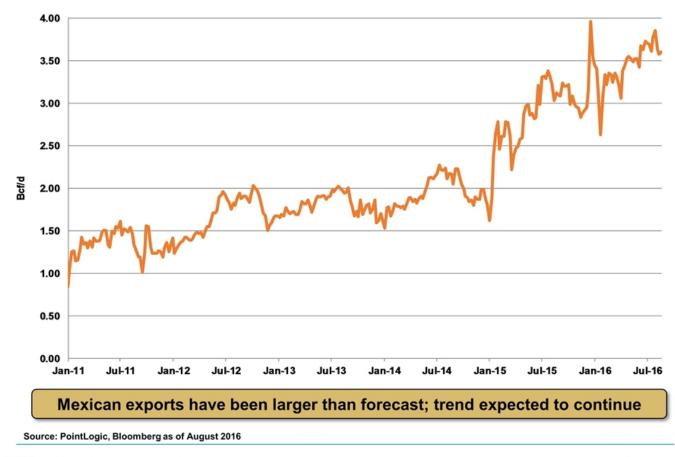
- What does this mean? The off-takers pay ~\$3/mmbtu for any contracted LNG volumes they defer/cancel. Buyers could then buy LNG on the spot market for ~\$7/mmbtu or all in cost of ~\$10/mmbtu (including the cancellation fee).
- All in US LNG landed in Asia likely runs \$7.50-9.50 depending on US gas price and transport costs.
- There are 5 major US LNG export projects under construction (assumes Sabine Pass is one project).
- There are another >4bcf/d of LNG export projects that are ~fully contracted, which we would consider close to FID (e.g. Lake Charles, Golden Pass).

#### Research report dated 10/08/2015

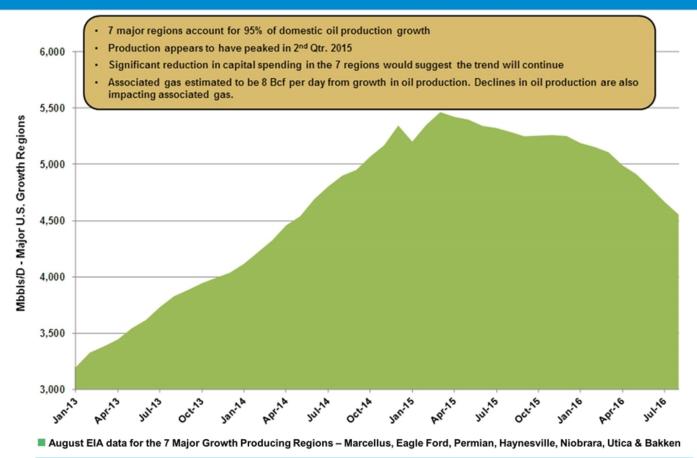
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### U.S. Natural Gas Exports to Mexico

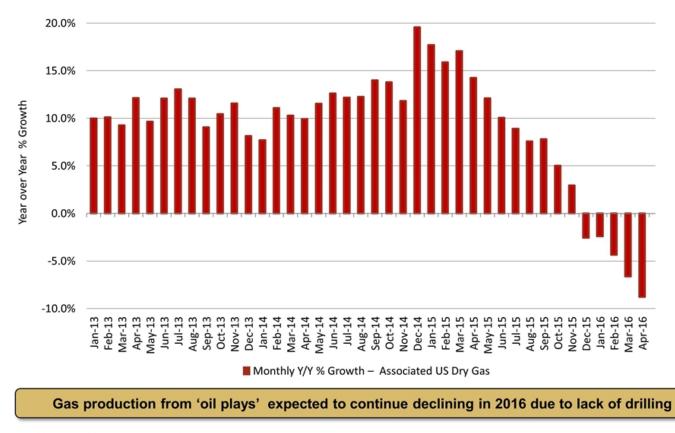


### U.S. Domestic Oil Production Appears to Have Peaked



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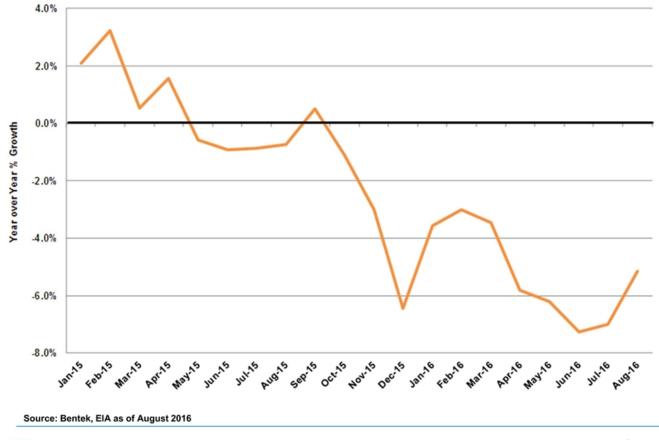
### **Associated Gas Production**



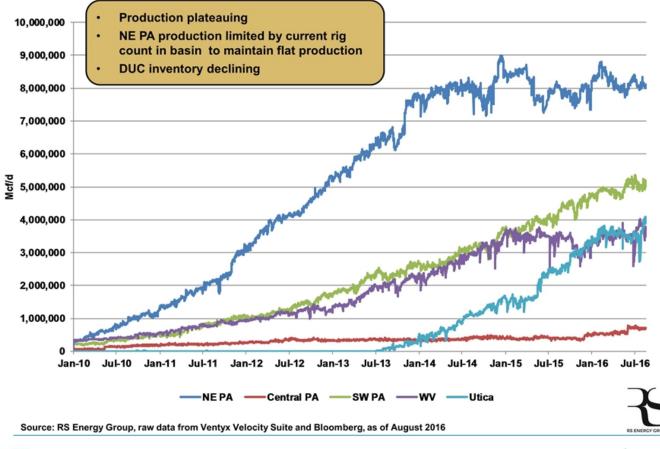
Source: Jefferies as of August 2016

# Non-Appalachian Gas Basins

Growth by Area



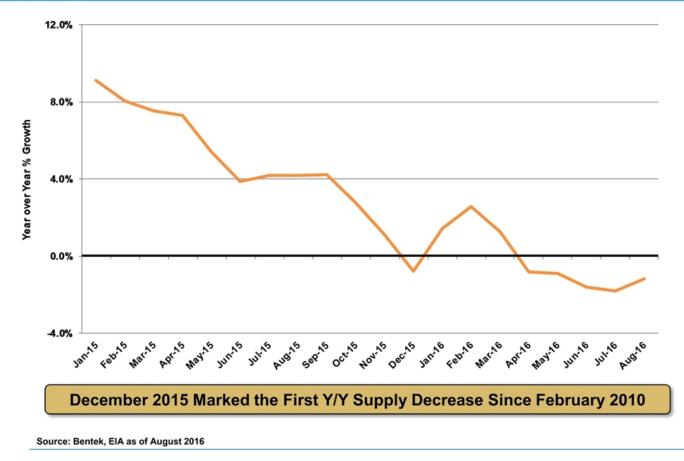
### Appalachian Pipeline Flow Data by Region (Mcf/d)



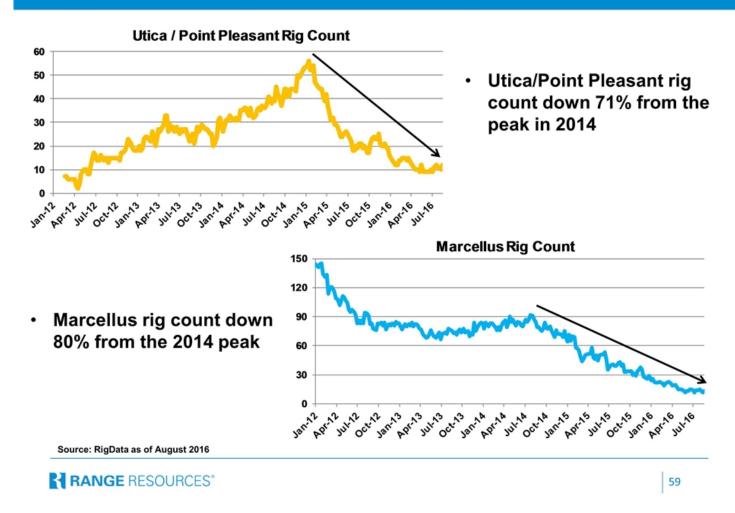
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### Total U.S. Natural Gas Production

Growth by Area



### **Appalachian Rig Counts Declining**

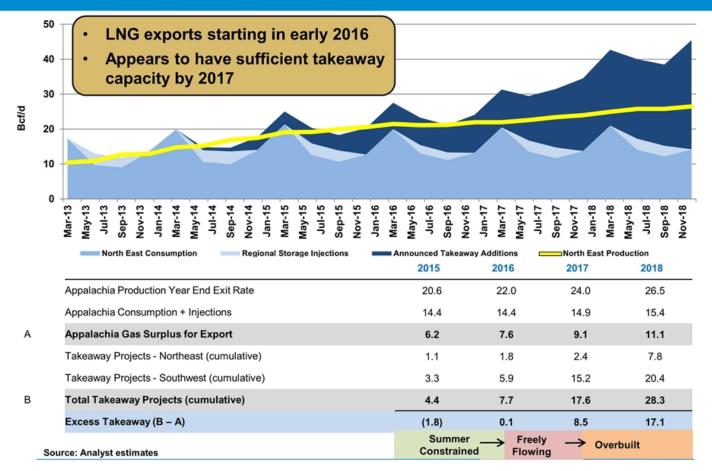


## Marcellus NGL Pricing

Weighted Avg.	Realized Marcellus NGL Prices									
Composite Barrel <sup>(1)</sup>			<b>20</b> 1	2016						
		1Q	2Q	3Q	4Q	1Q	2Q			
7% 8%	NYMEX – WTI (per bbl)	\$48.62	\$57.88	\$46.61	\$42.22	\$33.56	\$45.31			
3%	Mont Belvieu Weighted Priced Equivalent <sup>(2)</sup>	\$18.05	\$18.32	\$17.16	\$17.24	\$13.37	\$15.75			
	Plant Fees plus Diff.	(7.16)	(10.64)	(11.20)	(8.43)	(5.07)	(5.14)			
	Marcellus average price before NGL hedges	\$10.89	\$7.71	\$5.96	\$8.81	\$8.30	\$10.61			
<ul> <li>Ethane C2</li> <li>Propane C3</li> <li>Iso Butane iC4</li> <li>Normal Butane NC4</li> <li>Natural Gasoline C5+</li> </ul>	% of WTI (NGL Pre- hedge / Oil NYMEX)	22%	13%	13%	21%	25%	23%			

Based on estimated NGL volumes in 2Q 2016
 Based on Mont Belvieu NGL prices and weighted average barrel composition for Marcellus

### Appalachian Production, Consumption & Takeaway - 2015-2018



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### Announced Appalachian Basin Takeaway Projects – 1 of 2

	Northeast PA	Operator	Main Line	Market	Start-up*	Capacity – Bcf/d	Fully Committed	Approved or with FERC
2015	Niagara Expansion	Kinder Morgan	TGP	Canada	Q4'15	0.2	Y	Y
	Northern Access 2015	NFG	National Fuel	Canada	Q4'15	0.1	Y	Y
	Leidy Southeast	Williams	Transco	Mid-Atlantic/SE	Q4'15	0.5	Y	Y
	East Side Expansion	Nisource	Columbia	Mid-Atlantic/SE	Q4'15	0.3	Y	Y
2016	SoNo Iroquois Access	Dominion	Iroquois	Canada	Q2'16	0.3	N	N
	Algonquin AIM	Spectra	Algonquin	NE	Q4'16	0.4	Y	Y
2017	Northern Access 2016	NFG	National Fuel	Canada	H2'17	0.4	Y	Y
	Constitution	Williams	Constitution	NE	H2'18	0.7	Y	Y
	Atlantic Bridge	Spectra	Algonquin	NE	H2'17	0.7	N	Y
2018	Atlantic Sunrise	Williams	Transco	Mid-Atlantic/SE	H1'18	1.7	Y	Y
	Access Northeast	Spectra	Algonquin	NE	H2'18	1.0	N	Y
	Diamond East	Williams	Transco	NE	H2'18	1.0	N	N
	PennEast	AGT		NE	H2'18	1.0	Y	Y

	Southwest	Operator	Main Line	Market	Start-up	Capacity – Bcf/d	Fully Committed	Approved or with FERC
2015	REX Zone 3 Full Reversal	Tall Grass	REX	Midwest	Q2'15	1.2	Y	Y
	TGP Backhaul / Broad Run	Kinder Morgan	TGP	Gulf Coast	Q4'15	0.6	Y	Y
	TETCO OPEN	Spectra	TETCO	Gulf Coast	Q4'15	0.6	Y	Y
	Uniontown to Gas City	Spectra	TETCO	Midwest	Q3'15	0.4	Y	Y
2016	Gulf Expansion Ph1	Spectra	TETCO	Gulf Coast	Q4'16	0.3	Y	Y
	Clarington West Expansion	Tall Grass	REX	Midwest	Q4'16	1.6	N	N
	Zone 3 Capacity Enhancement	Tall Grass	REX	Midwest	Q4'16	0.8	Y	Y

\* Start-up dates reflect announced operator in-service dates

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Note: Data subject to change as projects are approved and built. Highlighted projects where Range is participating.

### Announced Appalachian Basin Takeaway Projects – 2 of 2

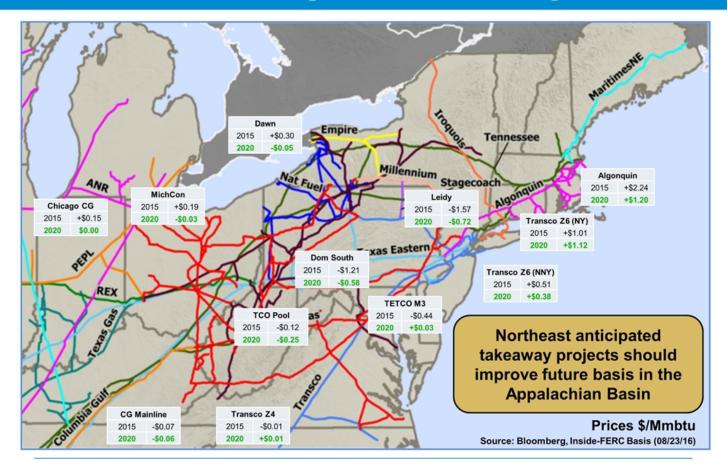
	Southwest	Operator	Main Line	Market	Start-up*	Capacity – Bcf/d	Fully Committed	Approved or with FERC
2017	Rover Ph1	ETP		Midwest/Canada/ Gulf Coast	Q2'17	1.9	Y	Y
	Rayne/Leach Xpress	Nisource	Columbia	Gulf Coast	Q3'17	1.5	Y	Y
	SW Louisiana	Kinder Morgan	TGP	Gulf Coast	Q3'17	0.9	Y	Y
	Rover Ph2	ETP		Midwest/Canada/ Gulf Coast	Q3'17	1.3	Y	Y
	Adair SW	Spectra	TETCO	Gulf Coast	Q4'17	0.2	Y	Y
	Access South	Spectra	TETCO	Gulf Coast	Q4'17	0.3	Y	Y
	Gulf Expansion Ph2	Spectra	TETCO	Gulf Coast	Q4'17	0.4	Y	Y
	NEXUS	Spectra		Midwest/Canada	Q4'17	1.5	Y	Y
	ANR Utica	Transcanada	ANR	Midwest/Canada	Q4'17	0.6	N	N
	Cove Point LNG	Dominion		NE	Q4'17	0.7	Y	Y
2018	TGP Backhaul / Broad Run Expansion	Kinder Morgan	TGP	Gulf Coast	Q2'18	0.2	Y	Y
	Mountain Valley	NextEra/EQT		Mid-Atlantic/SE	Q4'18	2.0	Y	Y
	Western Marcellus	Williams	Transco	Mid-Atlantic/SE	Q4'18	1.5	N	N
	Atlantic Coast	Duke/Dominion		Mid-Atlantic/SE	Q4'18	1.5	Y	Y
	Total NE Appalachia to Canada					1.0		
	Total NE Appalachia to NE					4.4		
	Total NE Appalachia to Mid-Atlantic/SI	-				2.5		
	Total NE Appalachia Additions					7.8	_	
	Total SW Appalachia to Mid-Atlantic/S	E				5.0		
	Total SW Appalachia to Midwest/Cana	da				8.2	E	xisting capacit
	Total SW Appalachia to Gulf Coast					6.5		ided by YE 201
	Total SW Appalachia to NE					0.7	_	
	Total SW Appalachia Additions					20.4		2.8 SV .6 N
	Overall Total Additions for Appalachia	n Basin (2015 _ 2	018)			28.3		3.4 Tota

\* Start-up dates reflect announced operator in-service dates

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Note: Data subject to change as projects are approved and built. Highlighted projects where Range is participating.

### What Does the Future's Strip Price Indicate for Regional Basis?



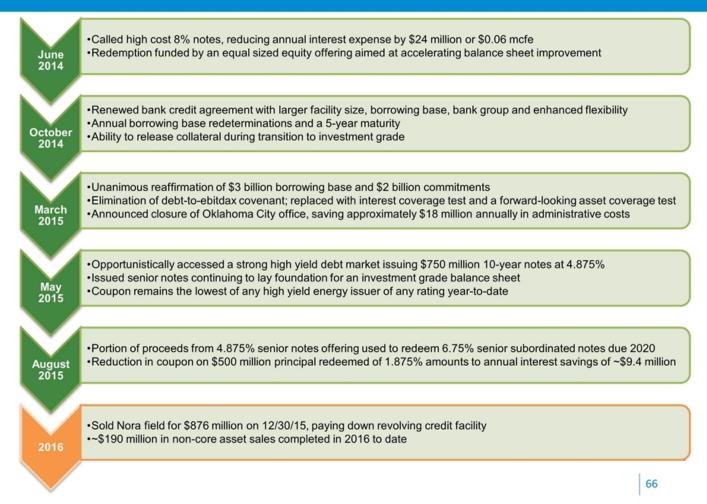
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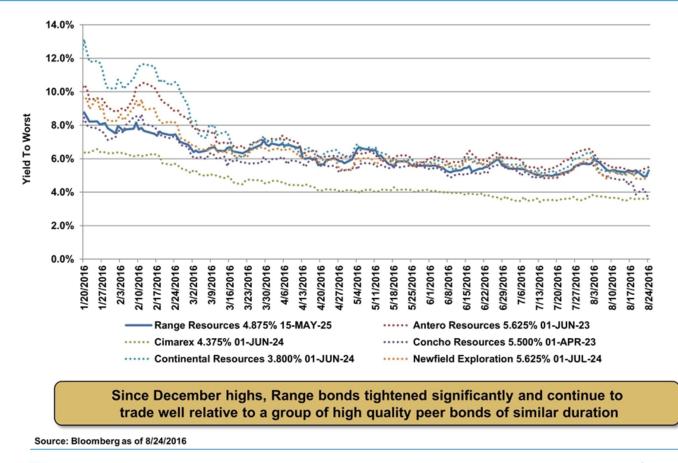
# **Financial Detail**

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#### Early, Continuous Action Taken to Prepare for Low Prices



### Range Bonds Continue to Trade Well



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# Gas and Oil Hedging Status

	Period	Volumes Hedged (Mmbtu/day)	Average Floor Price (\$/Mmbtu)
Gas Hedging	3Q 2016 Swaps	793,261	\$3.21
	4Q 2016 Swaps	800,000	\$3.23
	2017 Swaps	330,000	\$2.94
	2018 Swaps	70,000	\$2.92
Oil Hedging	3Q 2016 Swaps	6,000	\$58.40
	4Q 2016 Swaps	6,000	\$58.40
	2017 Swaps	2,496	\$51.29

As of 07/22/2016 - For quarterly detail of hedges, see RRC website

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### Natural Gas Liquids Hedging Status

	Period	Volumes Hedged (bbls/day)	Hedged Price <sup>(1)</sup> (\$/gal)
Ethane (C2)	2H 2016 Swaps	500	\$0.22
	2017 Swaps	3,000	\$0.27
Propane (C3)	2016 Swaps	5,500	\$0.60
	2017 Swaps	3,960	\$0.53
Normal Butane	2H 2016 Swaps	4,750	\$0.66
(NC4)	2017 Swap	500	\$0.61
Natural Gasoline	2H 2016 Swaps	3,500	\$1.11
(C5)	2017 Swaps	1,750	\$0.97

(1) NGL hedges have Mont Belvieu as the underlying index

As of 07/22/2016 - For quarterly detail of hedges, see RRC website

Conversion Factor: One barrel = 42 gallons

### **Contact Information**

#### **Range Resources Corporation**

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#### Important Additional Information

This communication does not constitute an offer to sell or the solicitation of an offer to buy any securities or a solicitation of any vote or approval. This communication is being made in respect of the proposed merger transaction involving Range and MRD.

In connection with the proposed transaction, Range has filed with the Securities and Exchange Commission (the "SEC") a registration statement on Form S-4 (333-211994) on June 13, 2016, as amended, which has been declared effective by the SEC and includes a joint proxy statement of Range and Memorial and also constitutes a prospectus of Range. Each of Range and Memorial also plan to file other relevant documents with the SEC regarding the merger. No offering of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act. The definitive joint proxy statement/prospectus(es) for Range and/or Memorial will be mailed to shareholders of Range and/or Memorial, as applicable.

BEFORE MAKING ANY VOTING OR INVESTMENT DECISIONS, INVESTORS AND SECURITY HOLDERS OF RANGE AND/OR MRD ARE URGED TO READ THE JOINT PROXY STATEMENT/PROSPECTUS REGARDING THE PROPOSED TRANSACTION AND ANY OTHER RELEVANT DOCUMENTS FILED OR TO BE FILED WITH THE SEC CAREFULLY AND IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE BECAUSE THEY CONTAIN OR WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION.

Investors and security holders may obtain free copies of the joint proxy statement/prospectus, any amendments or supplements thereto and other documents containing important information about Range and MRD, once such documents are filed with the SEC, through the website maintained by the SEC at <u>www.sec.gov</u>. Copies of the documents filed with the SEC by Range will be available free of charge on Range's website at <u>http://www.rangeresources.com/</u>under the heading "Investors" or by contacting Range's Investor Relations Department by email at <u>Isando@rangeresources.com</u>, <u>damend@rangeresources.com</u>, <u>mfreeman@rangeresources.com</u>, or by phone at 817-869-4267. Copies of the documents filed with the SEC by MRD will be available free of charge on MRD's website at <u>http://www.memorialrd.com</u> under the heading "Investor Relations" or by phone at 713-588-8339.

#### Participants in the Solicitation

Range, MRD and certain of their respective directors, executive officers and other members of management and employees may be deemed to be participants in the solicitation of proxies in connection with the proposed transaction. Information about the directors and executive officers of MRD is set forth in its proxy statement for its 2016 annual meeting of shareholders, which was filed with the SEC on April 1, 2016. Information about the directors and executive officers, which was filed with the SEC on April 8, 2016. These documents can be obtained free of charge from the sources indicated above.

Other information regarding the participants in the proxy solicitation and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in the joint proxy statement/prospectus and other relevant materials to be filed with the SEC when they become available. Investors should read the joint proxy statement/prospectus carefully before making any voting or investment decisions. Investors may obtain free copies of these documents from Range or MRD using the sources indicated above.