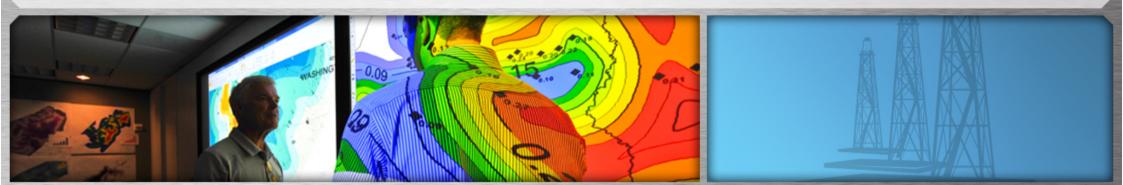
TECHNOLOGY IS A GAME CHANGER



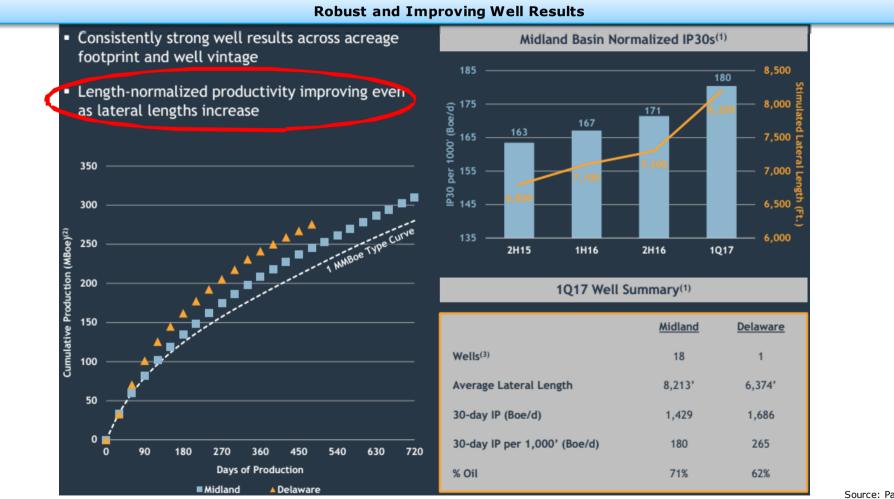


U.S. Basin Overview





Parsley Energy Permian



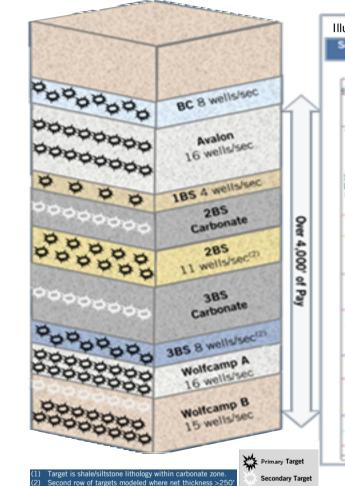
Source: Parsley Energy June, 2017

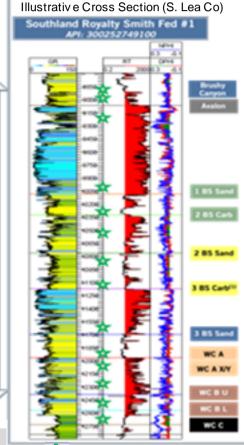
ENERVEST

Permian Wells per Section

Northern Delaware







Trindustry Landing Zone

Brushy Canyon

- Type Curve: Up to 1,040 MBoe (66% oil)
- Offset Activity: BOPCO, CXO, DVN, Endurance

Avalon

Type Curve: Up to 770 MBoe (Up to 48% oil)
 Offset Activity: BOPCO, CVX, DVN, Endurance, EOG, MTDR

1st Bone Spring Sand

- Type Curve: Up to 700 MBoe (Up to 34% oil)
- Offset Activity: Endurance, EOG, MTDR

2nd Bone Spring Carbonate

Offset Activity: BOPCO

2nd Bone Spring Sand

- Type Curve: Up to 1,000 MBoe (Up to 77% oil)
- Offset Activity: BOPCO, CXO, DVN, Endurance, EOG, MTDR, OXY

3rd Bone Spring Carbonate⁽¹⁾

Offset Activity: BOPCO

3rd Bone Spring Sand

- Type Curve: Up to 770 MBoe (Up to 83% oil)
- Offset Activity: BOPCO, CXO, DVN, Endurance, EOG, MTDR, OXY

Wolfcamp A-X/Y Sand

- Type Curve: Up to 1,160 MBoe (Up to 77% oil)
- Offset Activity: BOPCO, CXO, Endurance, EOG, MTDR, Mewbourne

Wolfcamp A - Lower

- Type Curve: Up to 1,480 MBoe (Up to 59% oil)
- Offset Activity: CXO, Endurance, EOG, MTDR, BC, RSPP, XTO

Upper Wolfcamp B

Offset Activity: EOG, RSPP

Lower Wolfcamp B

- Type Curve: Up to 1,450 MBoe (Up to 33% oil)
- Offset Activity: MTDR, Mewbourne, CXO, BC

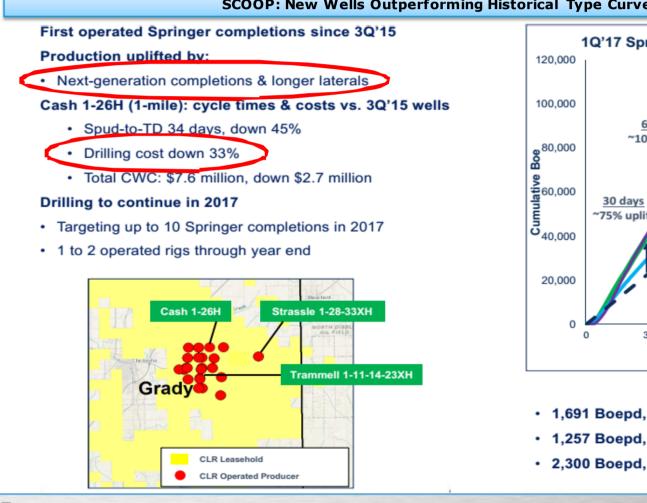
Wolfcamp C

- Type Curve: Up to 2,070 MBoe (Up to 33% oil)
- Offset Activity: CVN, MTDR, XEC

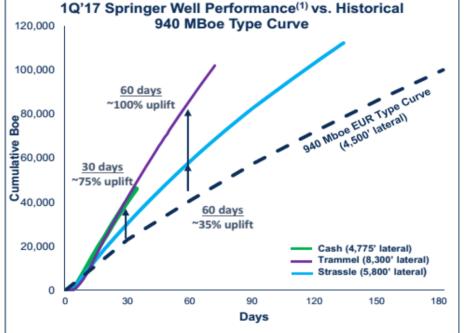
4

Continental Resources SCOOP/STACK





SCOOP: New Wells Outperforming Historical Type Curve by 35% to 100%



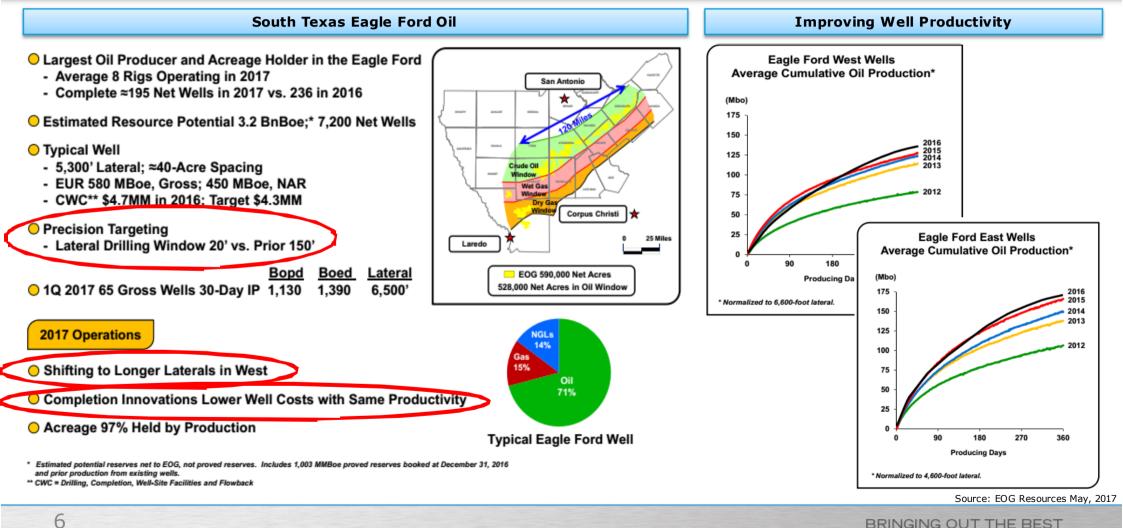
1Q'17 Springer 24-hour IPs

- 1,691 Boepd, 84% oil Cash 1-26H
- 1,257 Boepd, 89% oil Strassle 1-28-33XH
- 2,300 Boepd, 79% oil Trammel 1-11-14-23XH

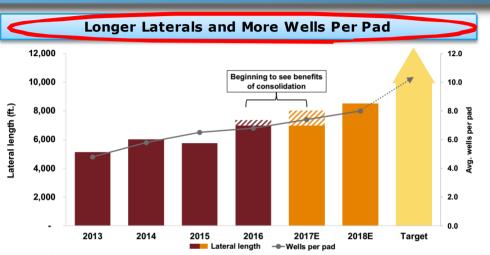
Source: Continental Resources May, 2017

EOG Resources Eagle Ford

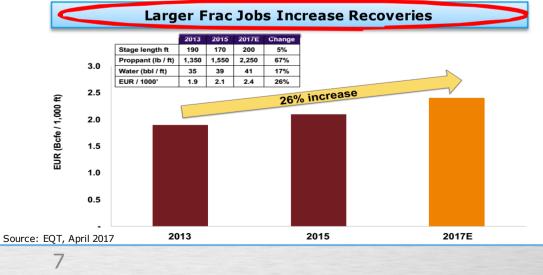


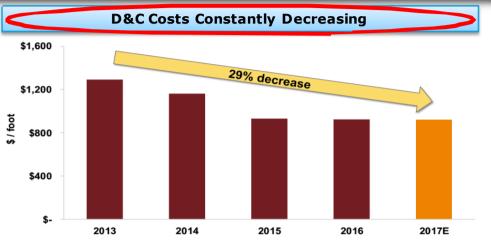


EQT Marcellus

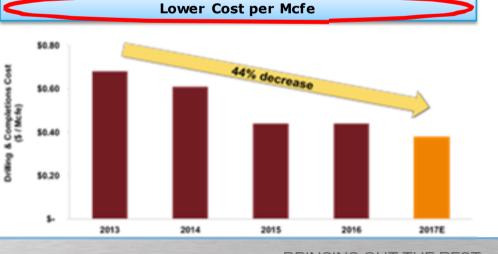


Includes Upper Devonian; wells per pad benefits to consolidation are based on 2016 and 2017 guidance of 7,000 ft laterals; actual 2016 laterals were 7,343 ft, and the projected lateral for 2017 is 8,000 ft

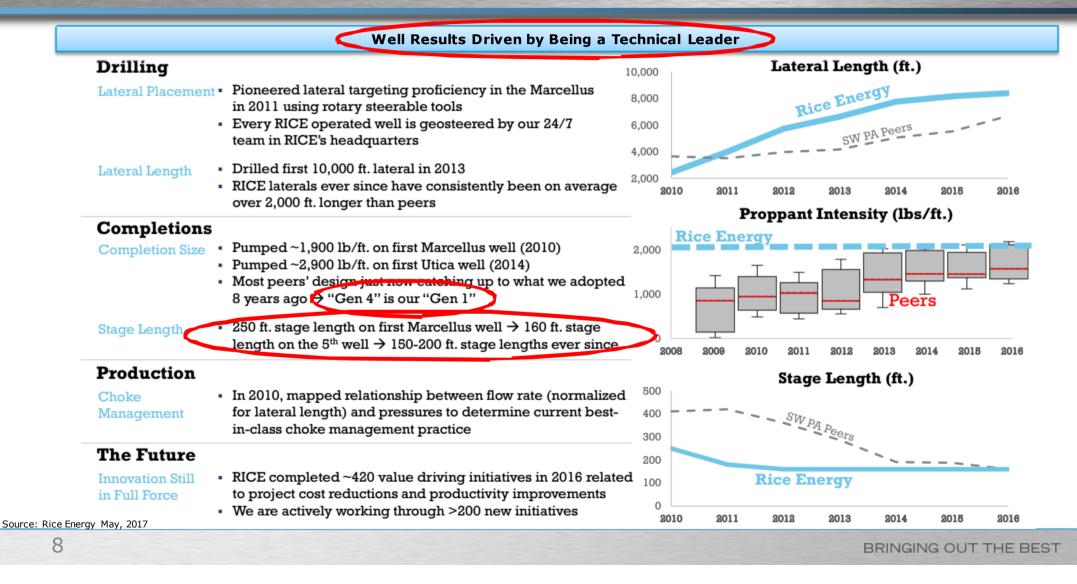




Assumes 8,000 foot lateral for 2017; includes 2017 increase of \$75K per well for larger frac jobs and \$40K per well of completion cost inflation (15%)







Rice Energy Haynesville/Marcellus



Completion Designs Improve Well Performance *Haynesville*

Completion Evolution

- Original wells were typically shorter laterals (<5,000') and smaller fracs (<1,000 lbs/ft)
- Recent wells have had longer laterals (7,500'+) and larger fracs (>3,000 lbs/ft)
- These designs have been tested and proven to improve well performance
- Evolution in completion design continues, and additional refinements are expected to further optimize well performance and reduce costs
 - Increased proppant and fluid concentration, diversion agents, and nano-surfactant

Progression in Haynesville Well Designs and Performance

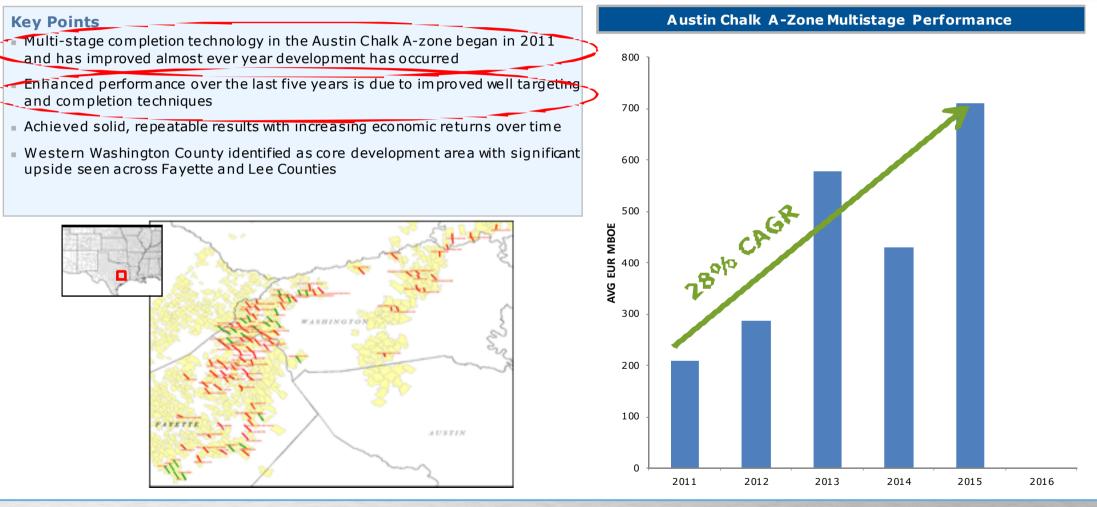
Company	Illustrative	Description	Years	EUR / F&D
Gen 1		 4,200' Lateraits 677 Ib/1 11 frac stages 	2008 - 2012	EUR: 3.8 BOF BCF/1,0001 0.9 FBD: \$3.04/MCFE
Gen 2		 4,200' Laterais 1,200 Io/ft 13 frac slages 	2008 - 2014	EUR: 5.8 BOF BCF/1,000': 1.4 F&D: \$2.01/MCFE
Gen 3	••••••••••••••••••••••••••••••••••••••	 4,500' Laterais 2,700 Io/t 21 trac stages 	2015	EUR: 10 BCF BCF/1,000'; 2.3 FED: \$0.90MCFE
Gen 4		 7,500' Laterais 2,700 ib/ft 27 frac slages 	2015	EUR: 15 BCF BCF/1,000': 2.0 F&D: \$0.88/MCFE
Gen 5	*******************************	7.500' Laterals 3.600 loft 33 frac stages	2015	EUR: 20 BCF BCF/1,0001 2.7 F&D: \$0.69AVCFE
Next Gen Completions	······································	7,500' Laterais 4,200 - 4,500h/m 33 frac stages	2016+	EUR: 22 BCF + BCF/1,000': 2.9 + F&D: \$0.65/MCFE
sumes 5 clusters	s per stage			

Source: Jefferies July, 2017; CHK, Comstock Resources

ENERVEST

Austin Chalk – Application of Multi-stage Completions EnerVest

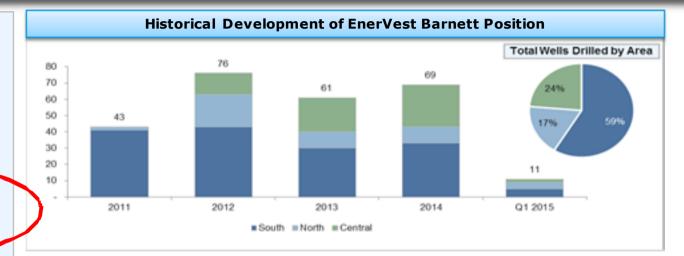


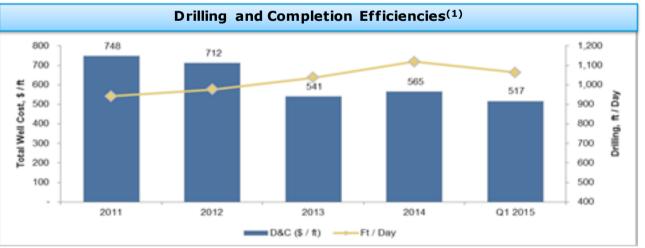


Barnett EnerVest



- Since 2011, EnerVest has drilled 260 w ells in the Barnett w hile driving dow n D&C costs and increasing feet drilled per day
- D&C improvements implemented include:
 - Geo-steer every w ell and tailor every completion to minimize risk of fracturing into a w ater hazard
 - Implemented oil-based mud in the North area in 2013 to achieve more consistent drilling conditions; resulted in reduced drilling days
 - Proppant loading of 1,200 -1,300 lbs / ft in the North and 800 lbs / ft in the South
 - Increased to 15 stages with 250'
 350' stage spacing







BRINGING OUT THE BEST

(1) Data represents EnerVest drilling results in the Barnett South area.

Technological Advancements

1. Lateral lengths (longer is better)

2. Completion Techniques (more sand/more fluid)

3. Geosteering/Lateral Placement (smaller targets)









INDUSTRY TRENDS





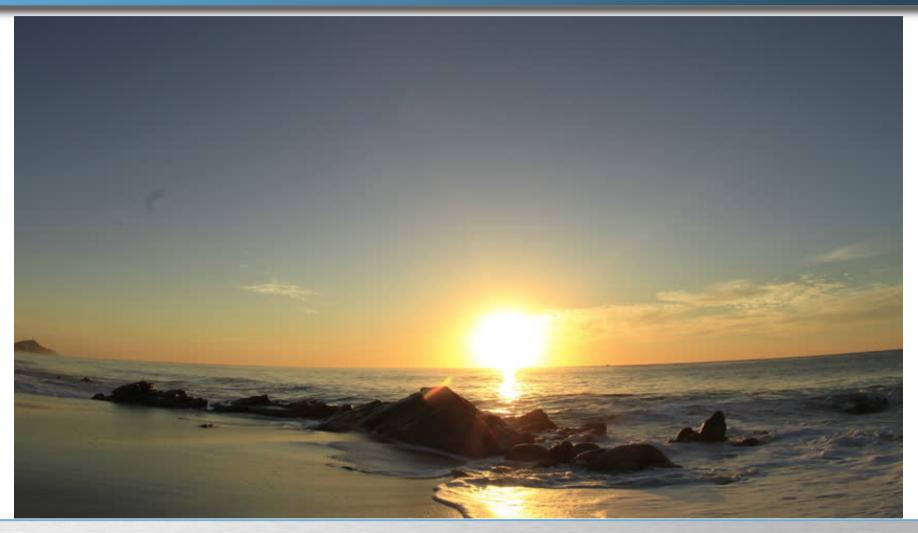
Challenging Times





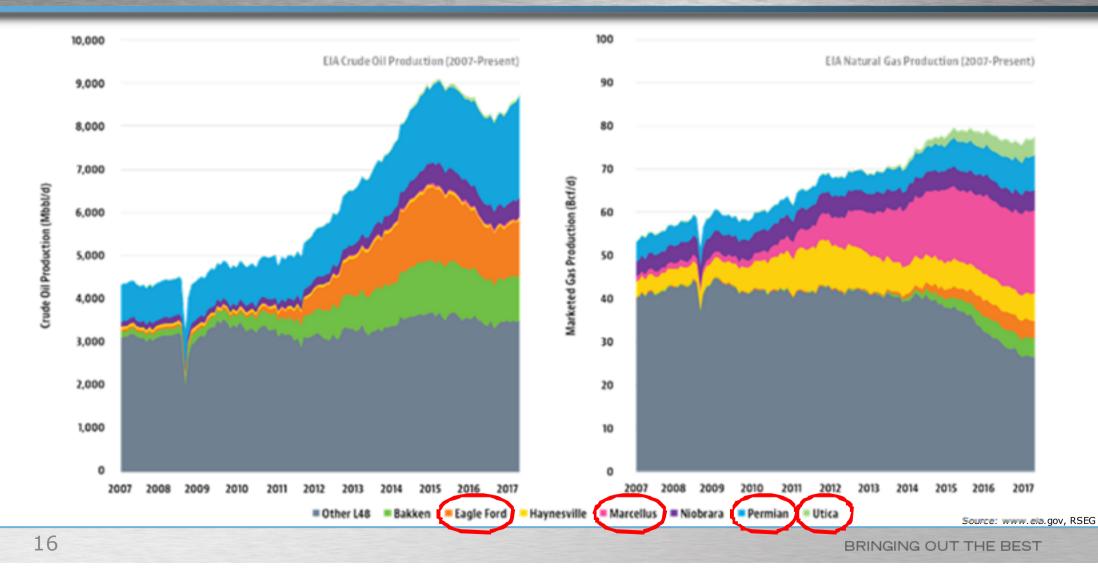
Challenging Times, But...





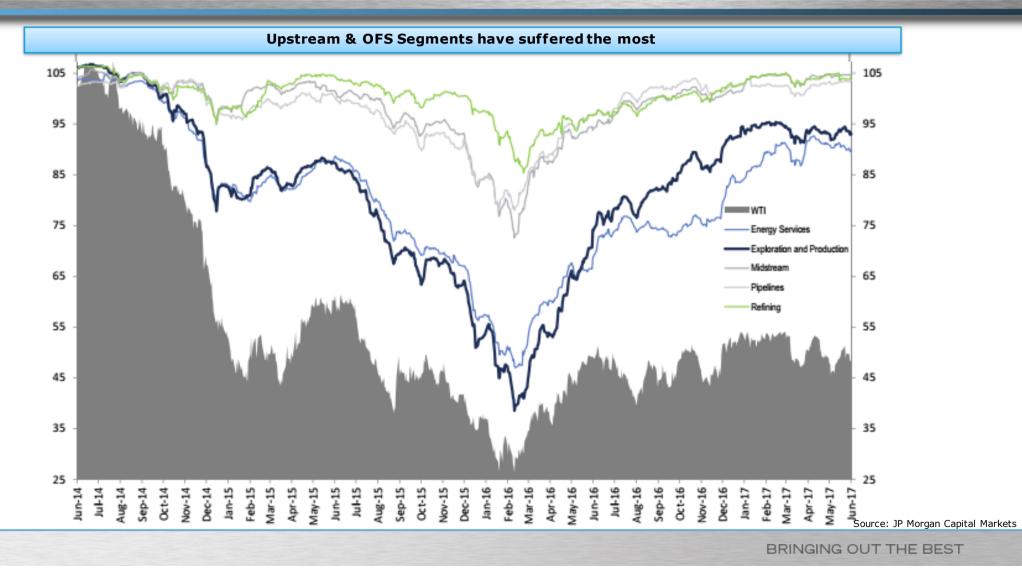
U.S. Oil & Gas Production Cont.





Commodity Price Collapse

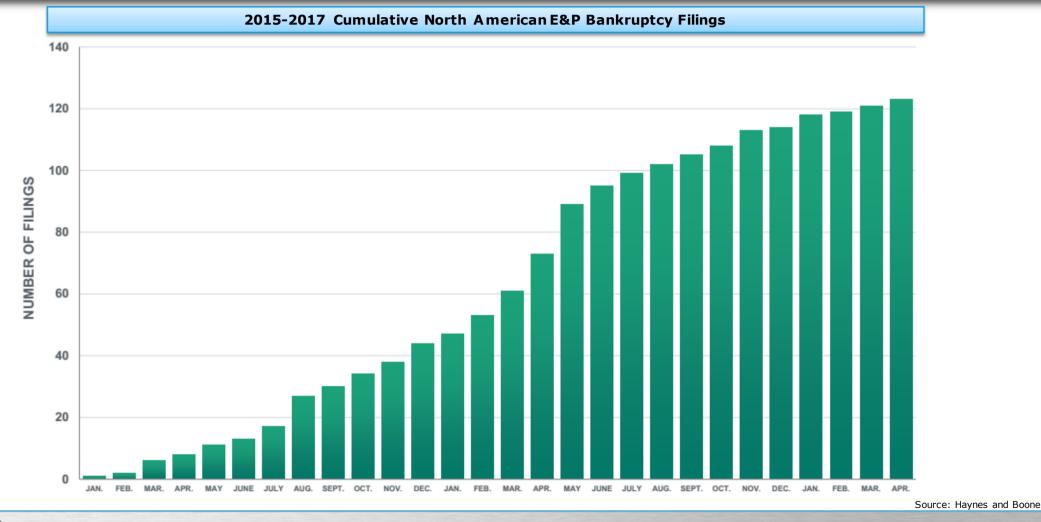




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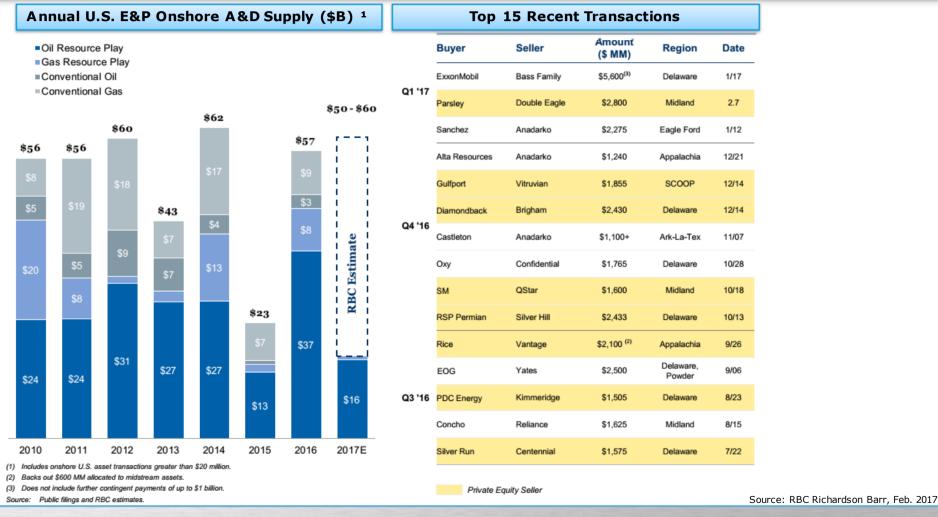
Bankruptcy Widespread





Market Returned to Normal Levels in 2016; 2017 Expected to be Robust

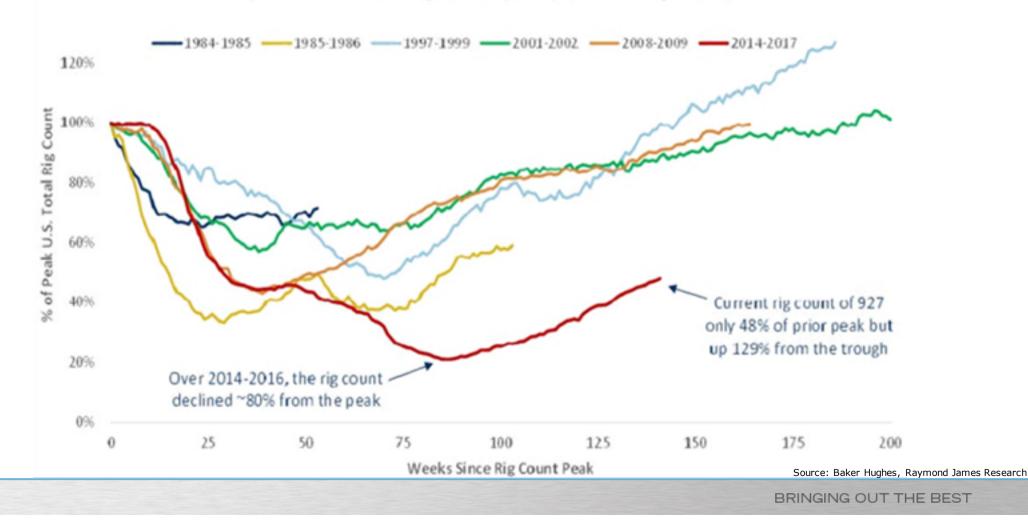




Rig Count Recovery Accelerated in the Unconventional World



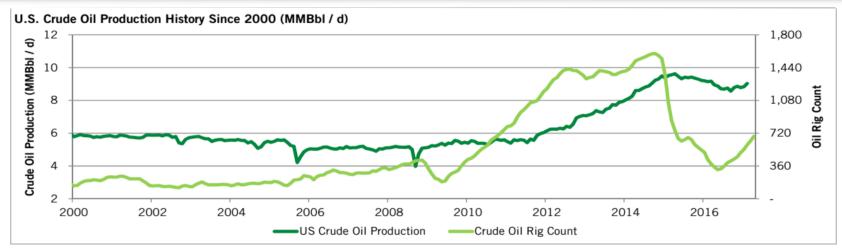
Comparison of Historic Rig Count Cycles (% of Peak Rig Count)

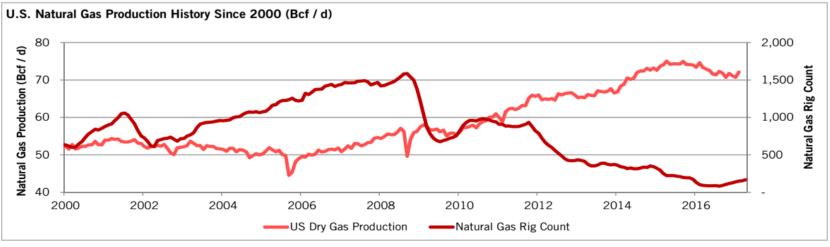


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U.S. Oil & Gas Production



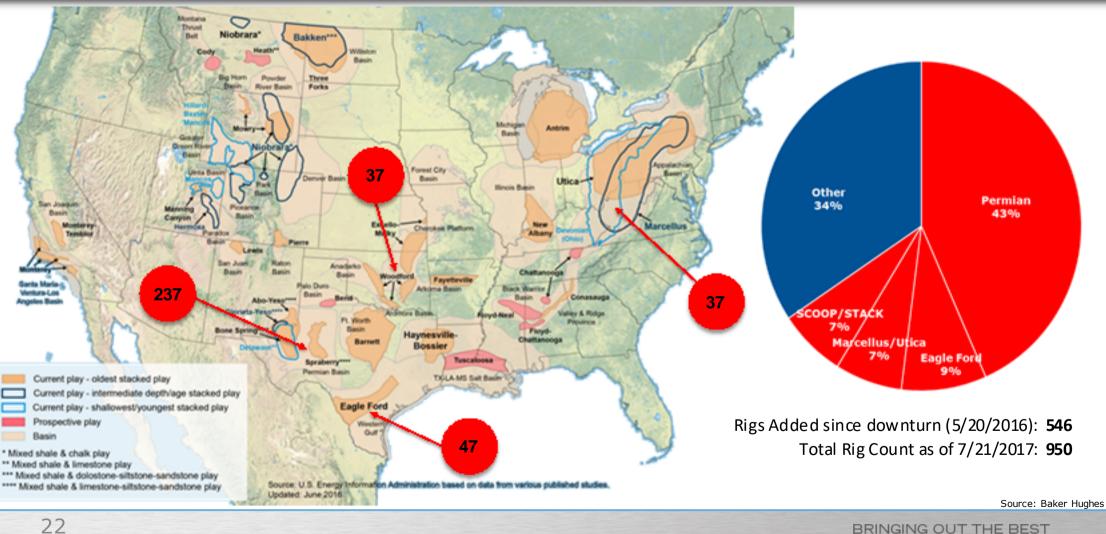




Source: www.eia.gov

Rig Count And CapEx Concentrated in Big Four Basins





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Oil Basin Economics – 30% ATROR





Gas Basin Economics – 30% ATROR



