

Toward American Energy Liberty Day

Roger S. Conrad

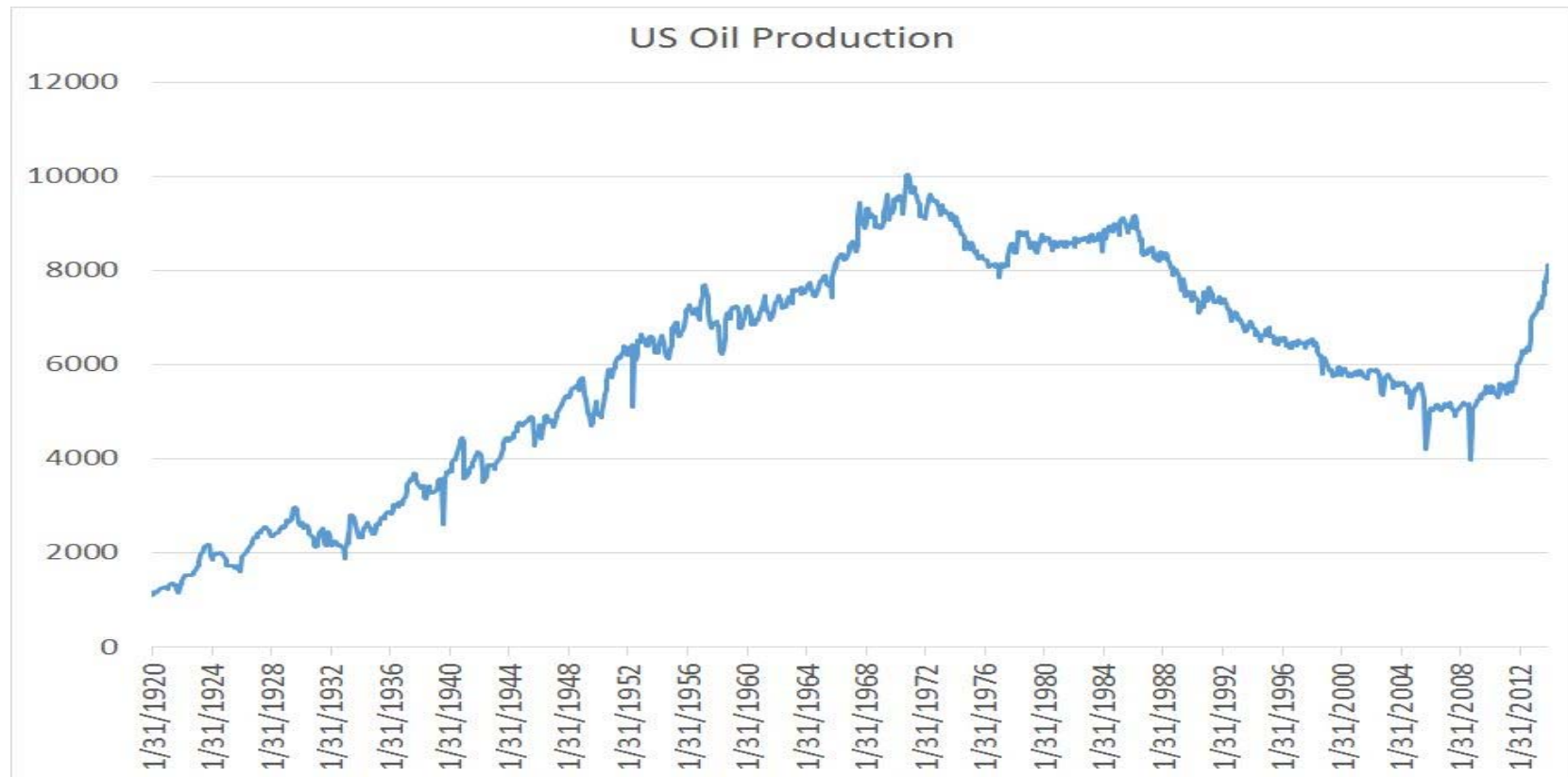
Elliott H. Gue

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Service@CapitalistTimes.com

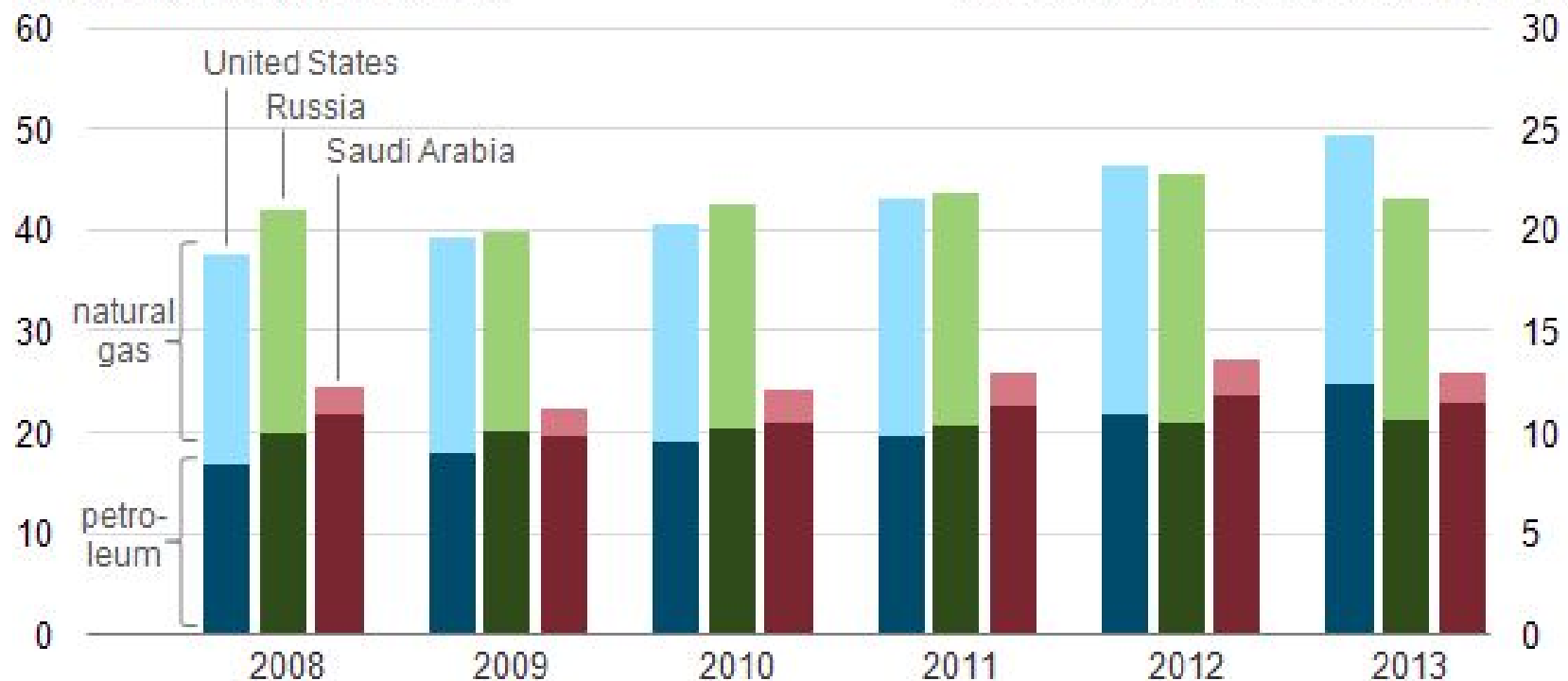
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Back to July 1988

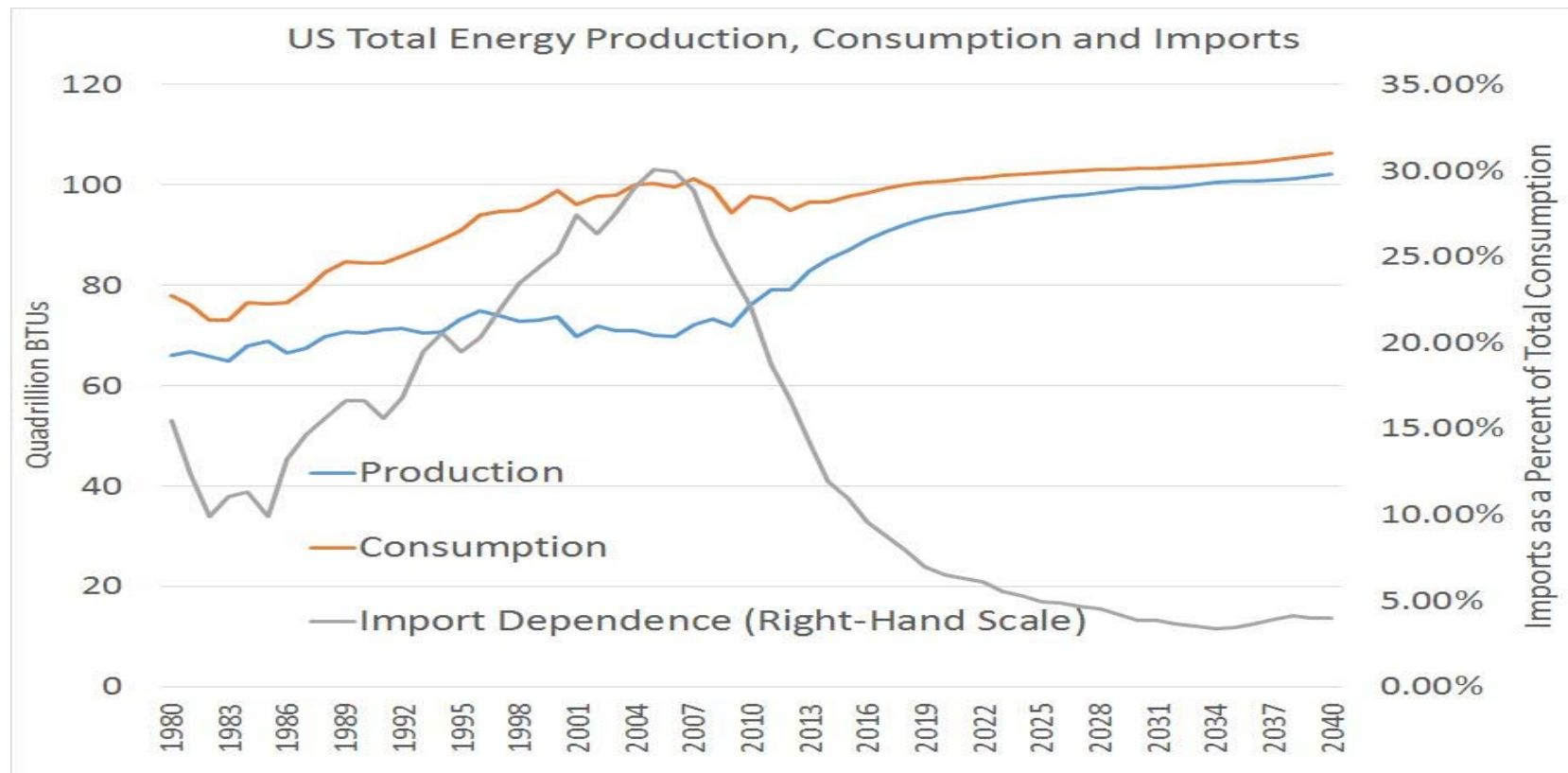


The World's Largest Oil and Gas Producer

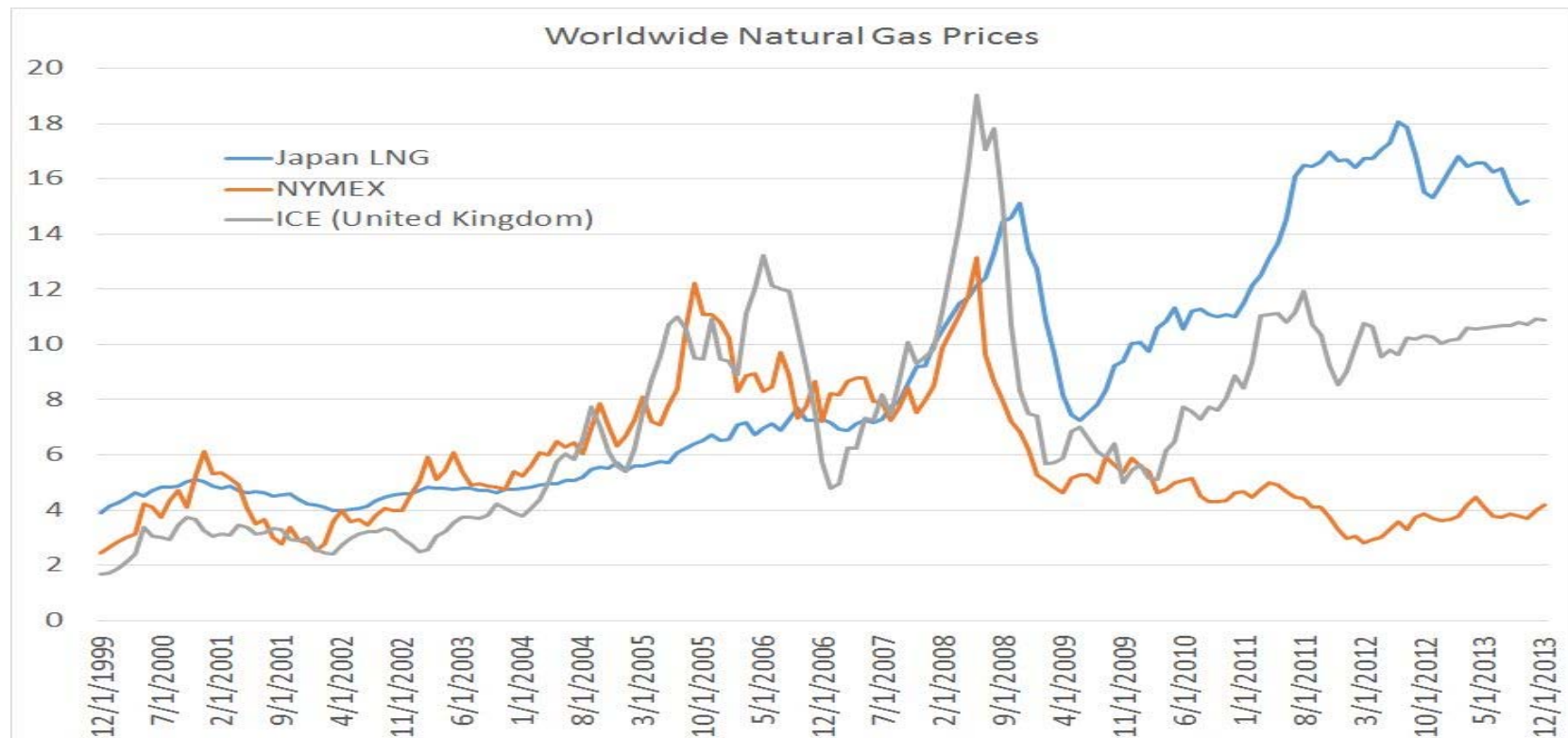
Estimated U.S., Russia, and Saudi Arabia petroleum and natural gas production
quadrillion British thermal units million barrels per day of oil equivalent



US Energy Liberty Day is Approaching



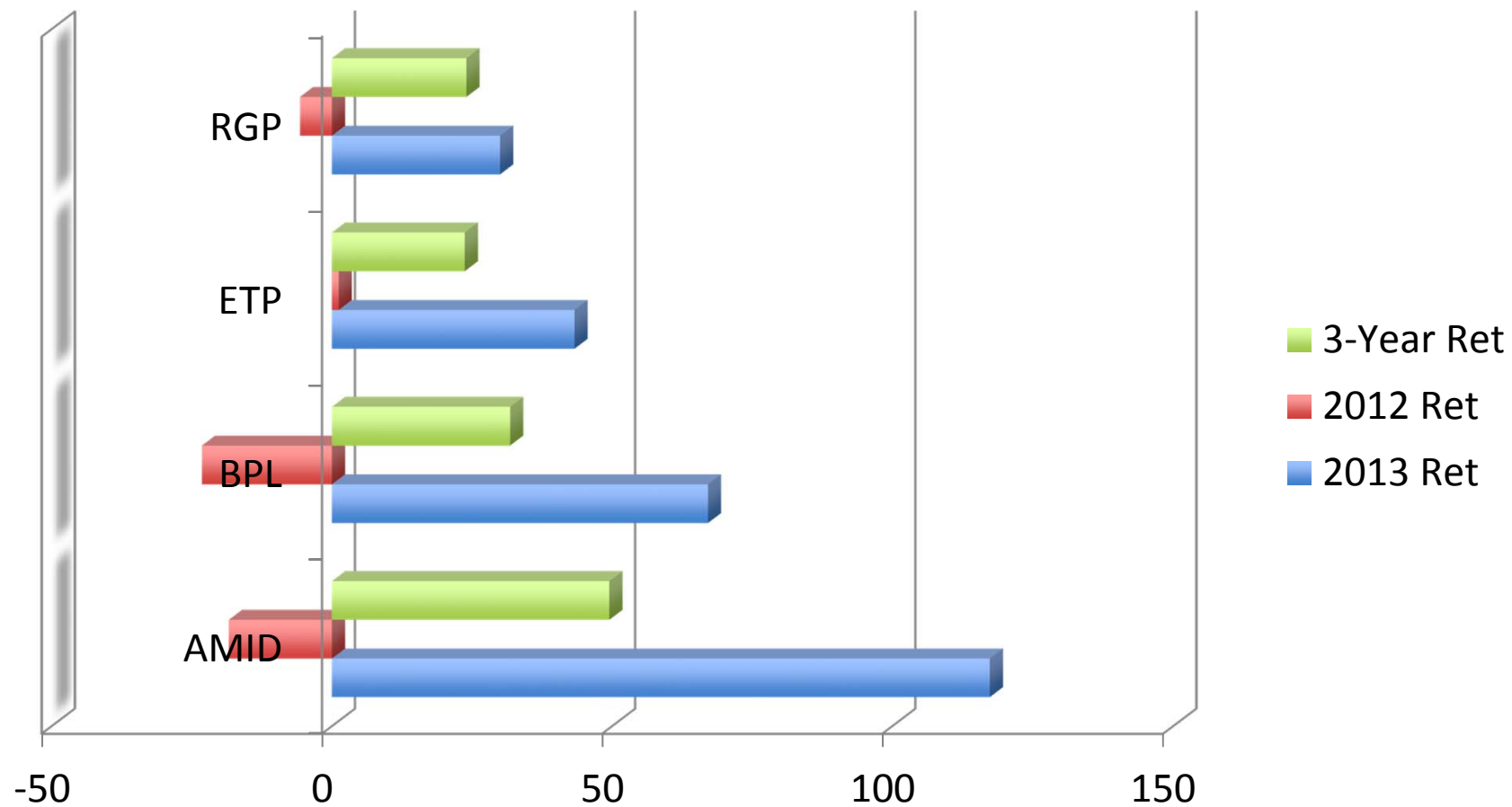
US Enjoys Cheap Gas and Electricity Prices



MLP DIVIDEND DANGER

- DISTRIBUTIONS CONSISTENTLY EXCEED DCF
- RISING COST OF CAPITAL
- HEFTY REFINANCING NEEDS
- CORE REVENUES WEAK
- LONG-TERM PROGRAM OF REGULAR DISTRIBUTION INCREASES SUSPENDED
- DIVIDEND CUTS DISASTROUS (NRP -22% 2014)
- RETURN TO GROWTH EXPLOSIVE

RETURN TO GROWTH



RETURN TO GROWTH #1: ENBRIDGE ENERGY PARTNERS (NYSE: EEP)

LAST DIVIDEND BOOST = JULY 2012
YIELD = 7.6%

DCF COVERAGE = 0.7-TO-1

2-YEAR DEBT/MARKET CAP = 2.16%

GENERAL PARTNER ENBRIDGE INC
(TSX: ENB, NYSE: ENB) OWNS 18.3%

Q4 EARNINGS = FEB 13

KEY CATALYSTS:

1. SANDPIPER PROJECT IN BAKKEN LIGHT OIL
2. NGL MARGINS AT GAS GATHERING/PROCESSING
3. MIDCOAST ENERGY SPINOFF G&P
4. IMPROVED PIPELINE PERFORMANCE

KEY RISKS:

1. PIPELINE PERFORMANCE
2. NGL PRICE VOLATILITY
3. CAPEX EXECUTION



RETURN TO GROWTH #2: ATLAS PIPELINE PARTNERS (NYSE: APL)

YIELD = 7.4%

LAST DIVIDEND BOOST = JULY 2013

DCF COVERAGE = 1.05-T0-1

2-YEAR DEBT/CASH FLOW = 0%

ATLAS ENERGY OWNS 7.24%

NEXT EARNINGS FEB 18 (EXPECTED)

MARGIN 89% PROTECTED HEDGING

KEY CATALYSTS:

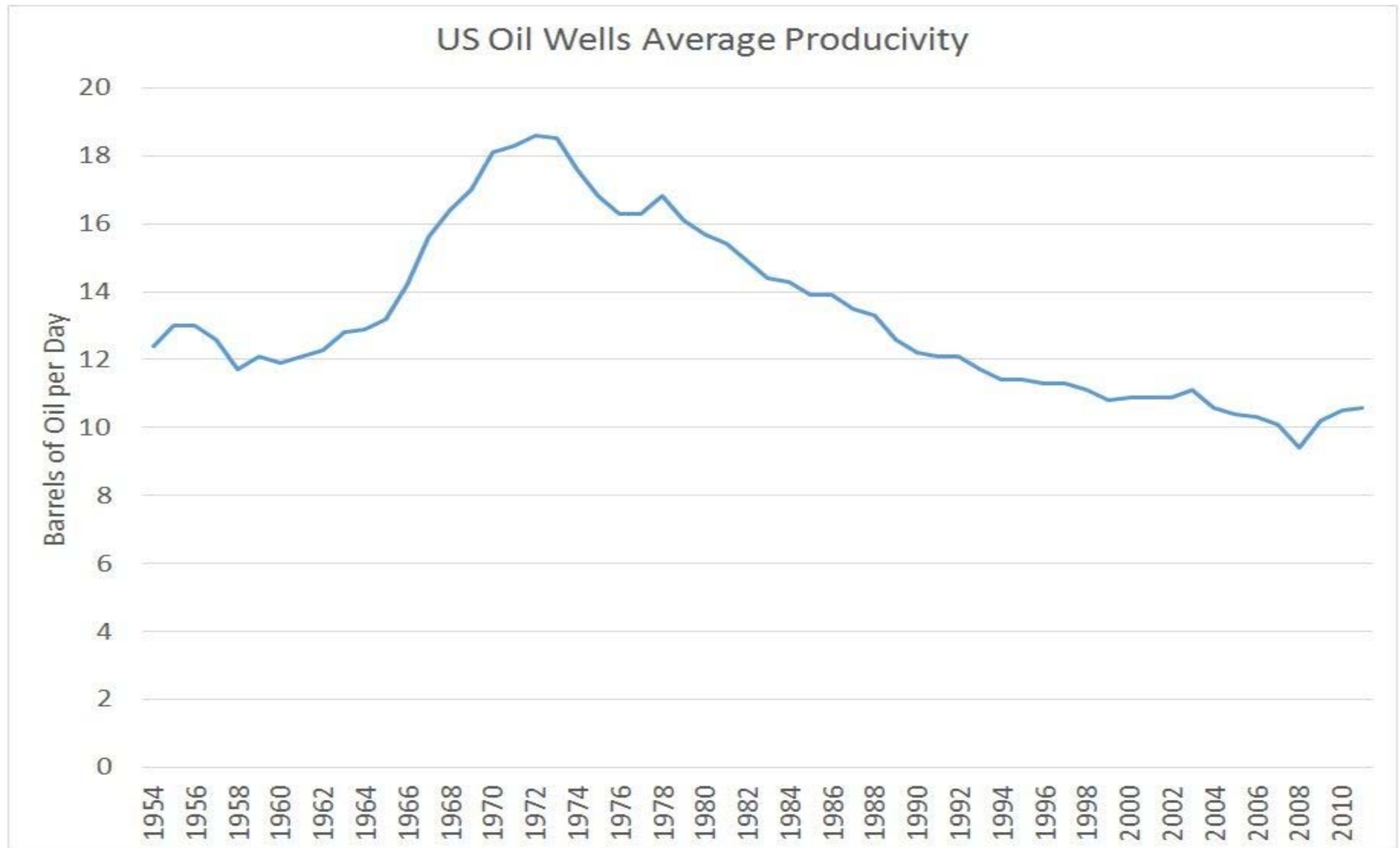
1. NGL SPREADS
2. RISING VOLUMES IN EAGLE FORD, PERMIAN BASIN, WOODFORD SHALE, MISSISSIPPIAN
3. 40% BOOST IN PROCESSING CAPACITY PLANNED IN 2014

KEY CHALLENGES:

1. PAYING DOWN DEBT
2. ETHANE PRICES
3. 1.1-TO-1 COVERAGE RATIO

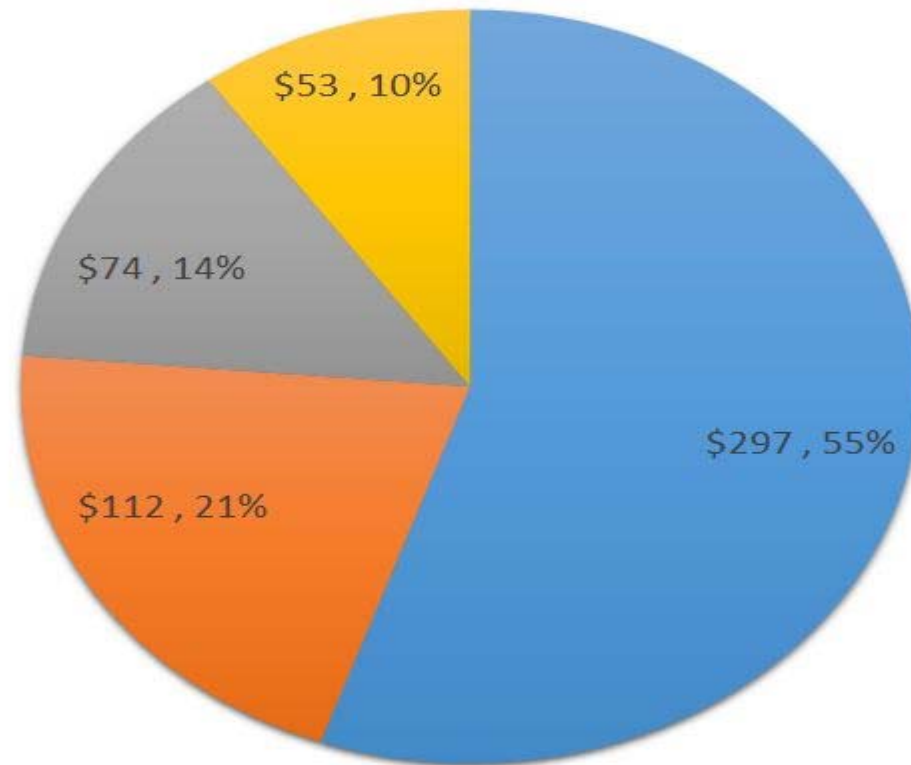


Beauty in Maturity



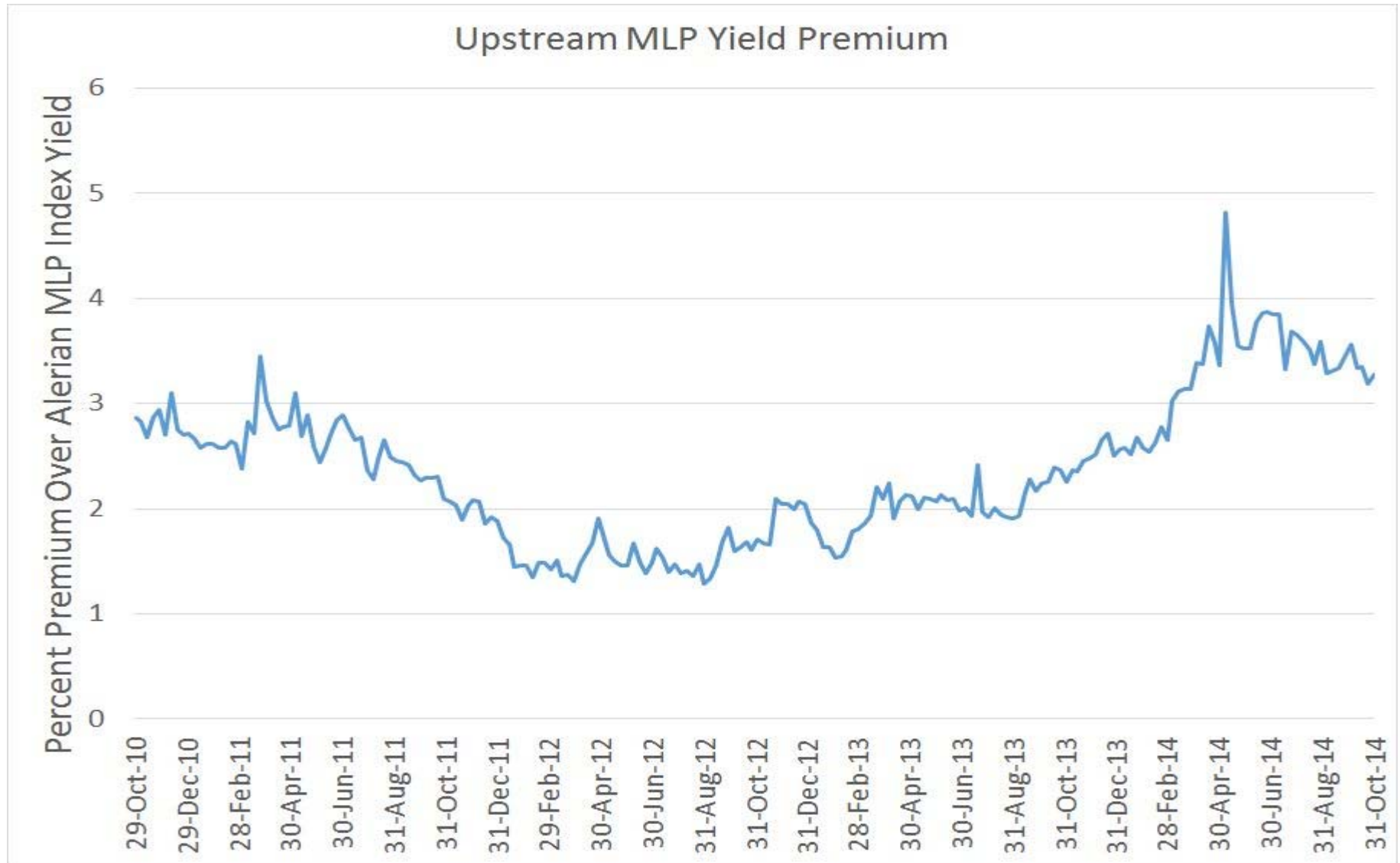
Shale is Expensive

Large North American E&P Companies Capital Raised Since 2007
(Billions of Dollars)

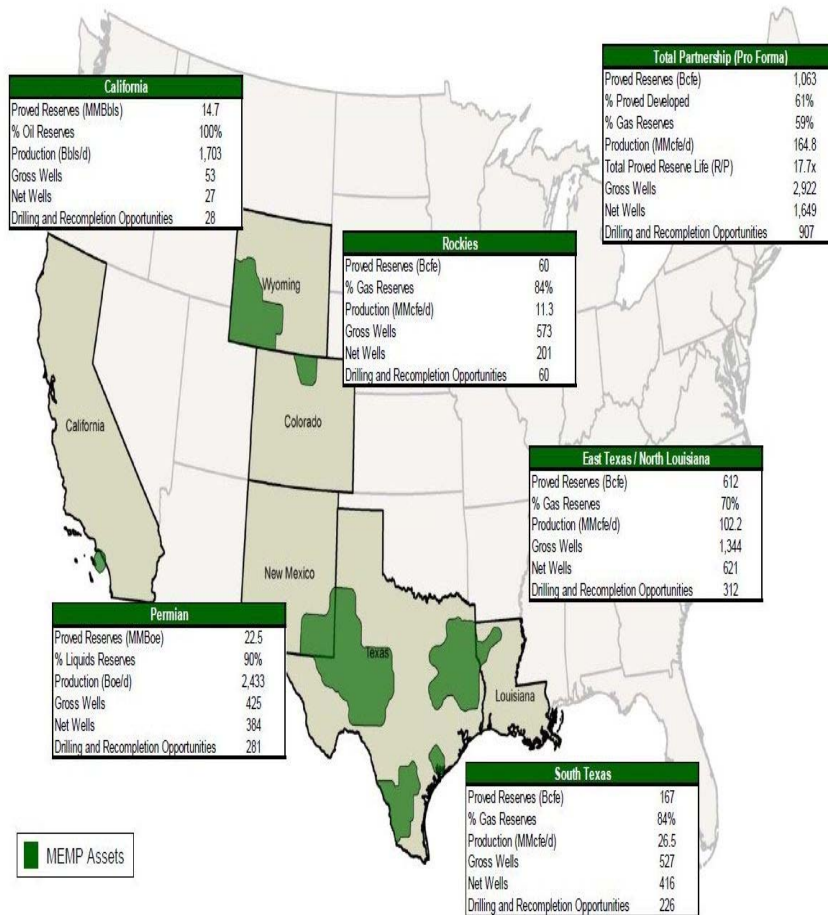


■ M&A (Asset Disposals) ■ Debt ■ Equity ■ Joint Ventures

Upstream MLPs are Cheap



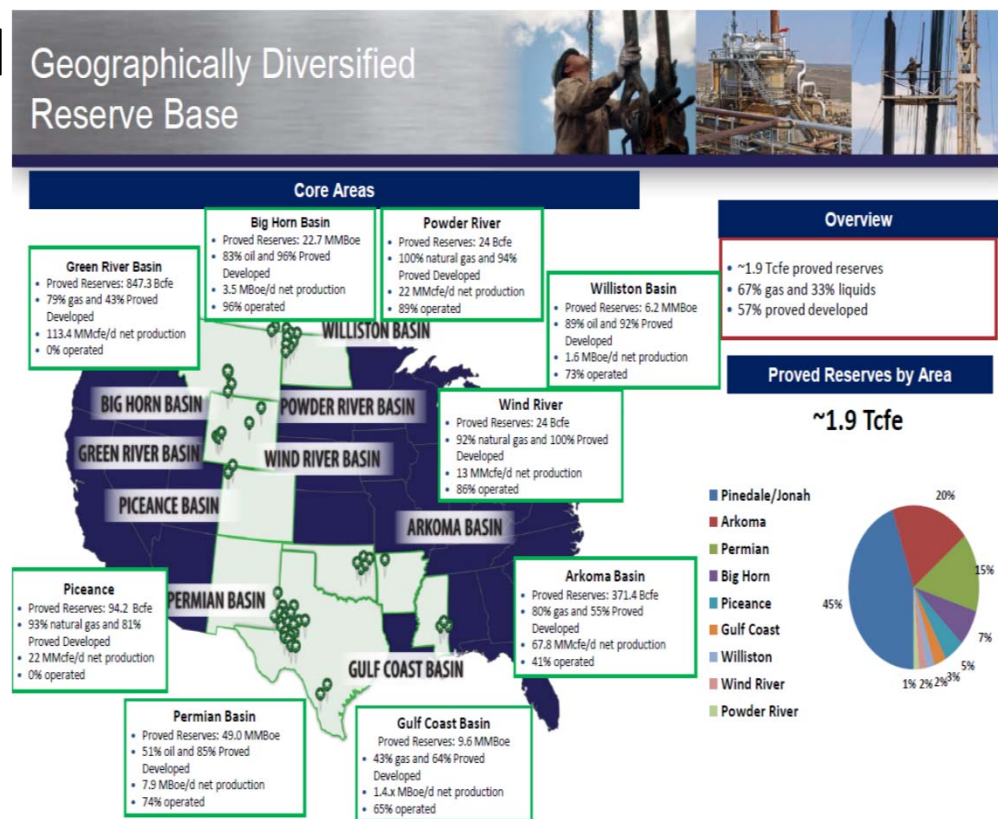
Memorial Production Partners (MEMP)



- Enterprise Value of \$1.9 billion, one of the smaller upstream MLPs.
- Heavy hedge book: 83% of 2014 production, 79% '15, 62% '16, 50% '17 and '18, 33% in '19
- Memorial Resource Development 1TCFE of Drop-Down Potential
- 10% Yield

Vanguard Natural Resources (NYSE: VNR)

- Recently acquired 87,000 Gross Acres in Pinedale and Jonah fields WY at \$0.69/MCF
- 80% NatGas, 16% NGLs
- Historically Hedges 85% of Gas production through 1H 2017 and 75% of Oil through 2015
- Opportunity for more acquisitions as producers need to fund shale.
- Yields 8.4%, Paid Monthly



THE ICARUS SYNDROME



SMART SOLAR: NRG ENERGY (NYSE: NRG)

YIELD 1.8%

12-MO DIVIDEND GROWTH = 25%

2 YR DEBT/MRKT CAP = 2.81%

ASSET AGGREGATOR:

1. 3-YEAR REV GRTH = 47.3%
2. 47 GW CAPACITY
3. MISSION ENERGY TAKEOVER
CLOSE IN Q1
4. INNOVATIVE FINANCING NYLD

RETAIL BASE PRIME FOR SOLAR:

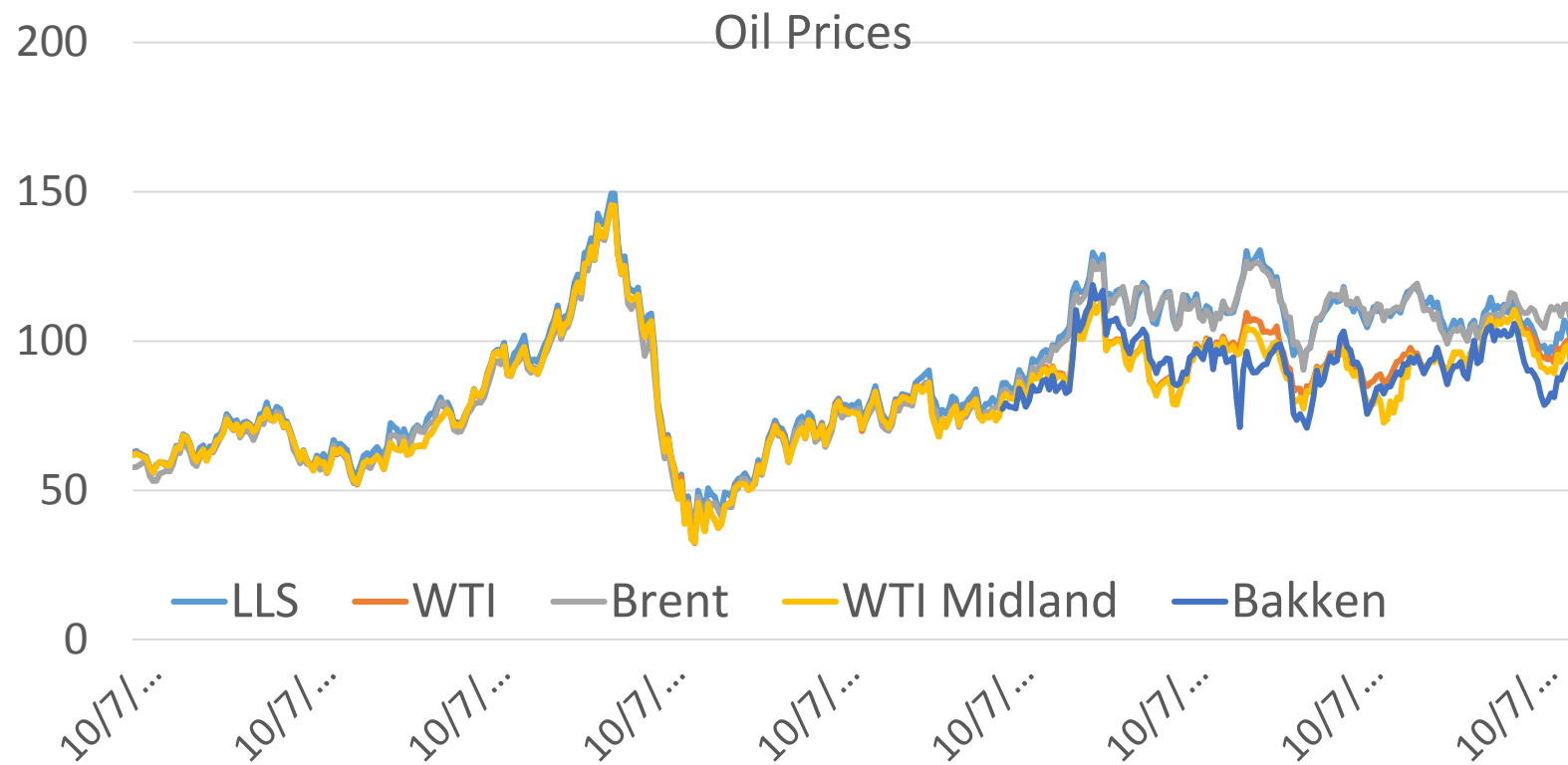
1. 2.259 MIL CUSTOMERS
2. EXPERTISE IN UTILITY-SCALE AND
DISTRIBUTED SOLAR
3. REGULATORY EXPERIENCE

RISKS AND CATALYSTS:

1. LARGE ENOUGH TO TACK
2. MASSIVE SAVINGS/SYNERGIES
MANAGING LOW COST COAL
FLEET
3. WHOLESALE POWER PRICES

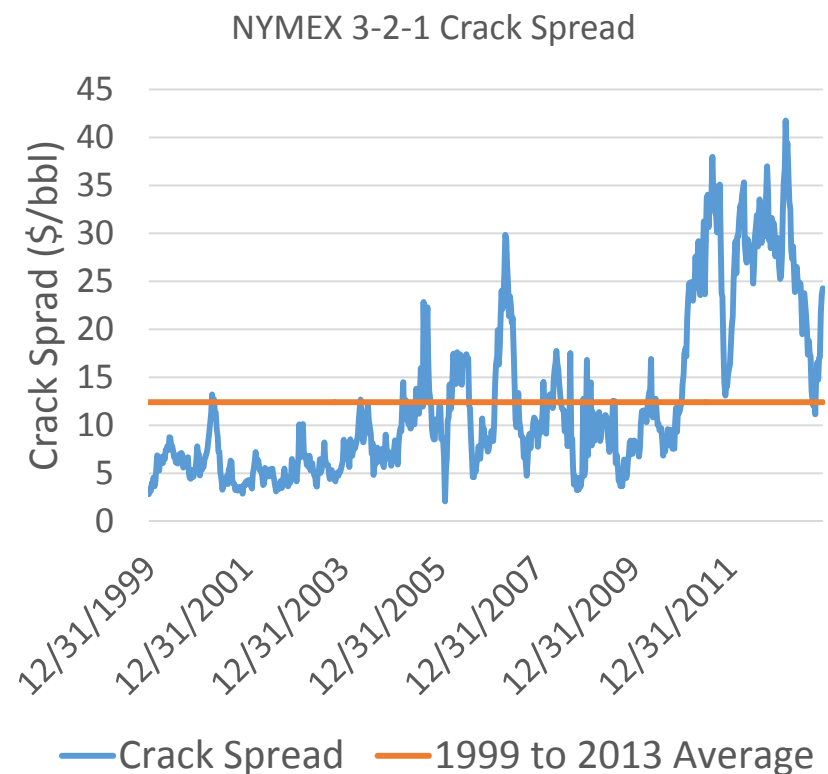


Where's Oil Trading?



Refining: As Easy as 3-2-1

- Refiners are manufacturing firms: convert oil to gasoline, diesel, jet fuel, other products.
- 3 Barrels of oil ($\$93.82/\text{bbl} \times 3$) = $\$281.46$
- 2 Barrels of Gasoline ($\$2.68/\text{gallon} \times 42 \times 2$) = $\$225.12$
- 1 Barrel of Diesel ($\$3.05/\text{gallon} \times 42 \times 1$) = $\$128.1$
- 3-2-1 Spread: $\$225.12 + \$128.1 - \$281.46 = \70.76 divided by 3 = **$\$23.58$ per Barrel.**



Valero's Estimate of Marginal Light Crude Oil Costs per Barrel in 12 to 24 Months

Valero's Estimate of Marginal Light Crude Oil Costs per Barrel in 12 to 24 Months

Expect Gulf Coast and Mid-Continent will have cost advantage versus East Coast, West Coast, and most foreign markets

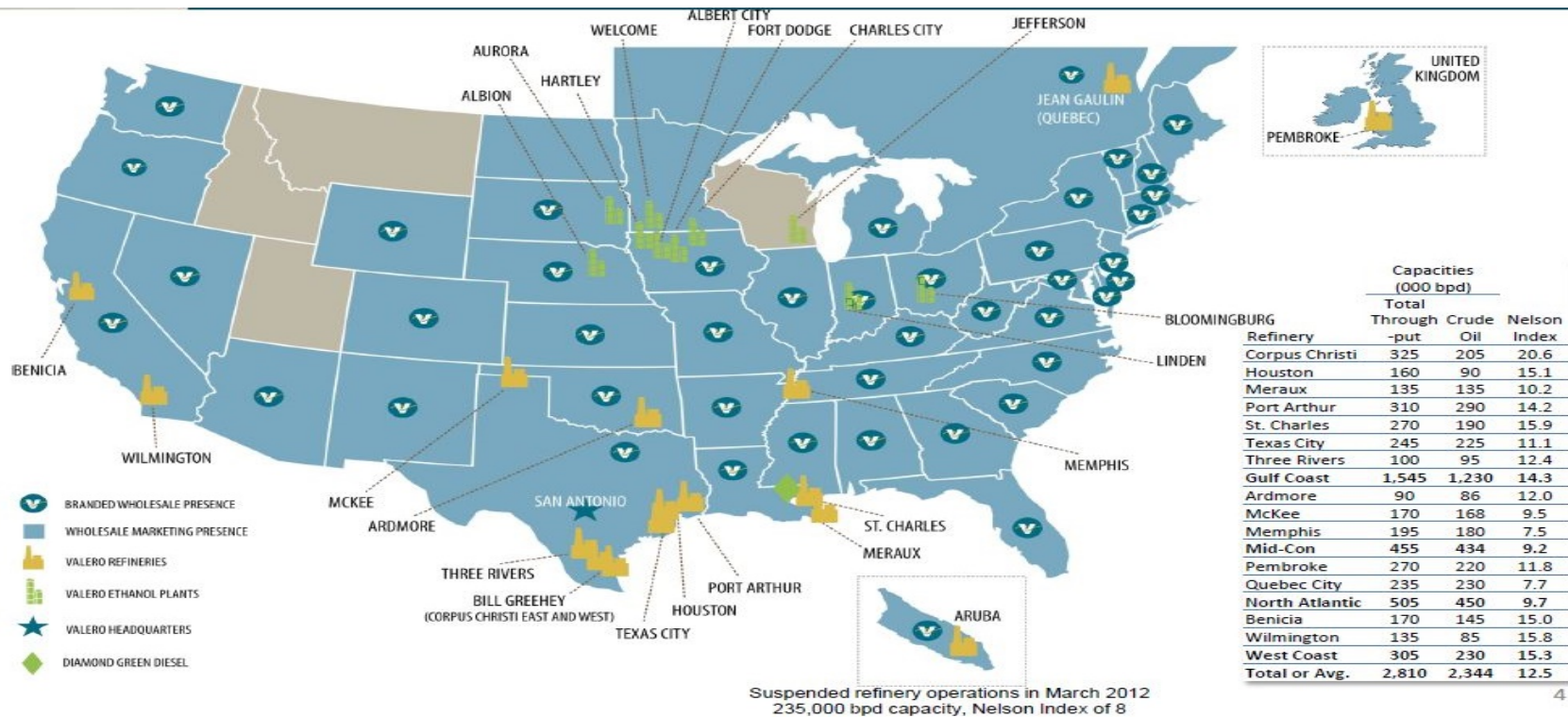
Key Cost Estimates:

- Alberta ICE Brent:** -\$13 to -\$16
- Bakken ICE Brent:** -\$12 to -\$15
- Cushing ICE Brent:** -\$5 to -\$8
- Midland ICE Brent:** -\$5 to -\$8
- ICE Brent (Houston):** -\$1 to -\$5
- ICE Brent (St. James):** -\$0 to -\$3
- U.S. Gulf Coast ICE Brent + \$2:** Marginal price setter

Transportation Costs:

- Alberta to Bakken:** \$1 to \$2/bbl
- Bakken to Eastern Canada:** Rail \$9 to \$12/bbl
- Bakken to U.S. Ship:** \$4 to \$5/bbl
- Bakken to West Coast:** Rail \$13 to \$15/bbl
- Bakken to Cushing:** Rail \$9/bbl
- Bakken to U.S. Gulf Coast:** Rail \$14 to \$17/bbl
- Cushing to Houston:** Pipe \$4/bbl
- Cushing to St. James:** Rail \$12/bbl
- Midland to Houston:** Pipe \$4/bbl
- CC to Houston:** \$1 to \$2/bbl
- Houston to St. James:** \$1 to \$2/bbl
- U.S. Gulf Coast to U.S. Ship:** \$5 to \$6/bbl
- U.S. Gulf Coast to Canada:** Foreign Ship \$2/bbl

Valero Energy (NYSE: VLO)



TAPER TRADE VICTIM



CANADIAN VALUES

- US DOLLAR 10% MORE BUYING POWER
- IT'S NOT ARGENTINA
- EQUAL POTENTIAL FROM SHALE BOOM
- TAR SANDS
- FAVORABLE REGULATION
- TRANSPORTATION SHORTAGE

TRANSCANADA CORP (TSX: TRP, NYSE: TRP): MORE THAN KEYSTONE

DIVERSIFIED GAS TRANSMISSION AND
POWER GENERATION

YIELD 3.9%, PAID QUARTERLY

12- MO DIVIDEND GROWTH = 4.6%

PAYOUT RATIO = 34.1% FFO

CREDIT RATINGS: S&P A-(STABLE),
MOODY'S BAA1(STABLE)

NEXT EARNINGS FEB 20

KEY CATALYSTS:

1. \$13 BIL CAPEX NEXT THREE YEARS
2. KEYSTONE XL APPROVAL
3. ENERGY EAST PIPELINE

KEY RISKS:

1. FAILURE OF KEYSTONE XL
2. SLOWER TRAFFIC
3. CAPEX EXECUTION

12 BUYS, 5 HOLDS, NO SELLS



PIPELINES NEEDED



CRESCENT POINT ENERGY CORP (TSX: CPG, NYSE; CPG)

LISTED NYSE STARTING JANUARY 22

YIELD = 7.2%

PAYOUT RATIO = 52.7%

ALL-IN PAYOUT = 135.2%

2-YR DEBT/MRKT CAP = 0.606%

EXPECTED EARNINGS = MAR 14

2013 EXIT PROD = 126,500 BOE/DAY

2014 EXIT TARGET = 135,000 BOE/DAY

2014 CAPEX = CD1.75 BIL

LIGHT OIL = 90.9%

KEY CATALYSTS

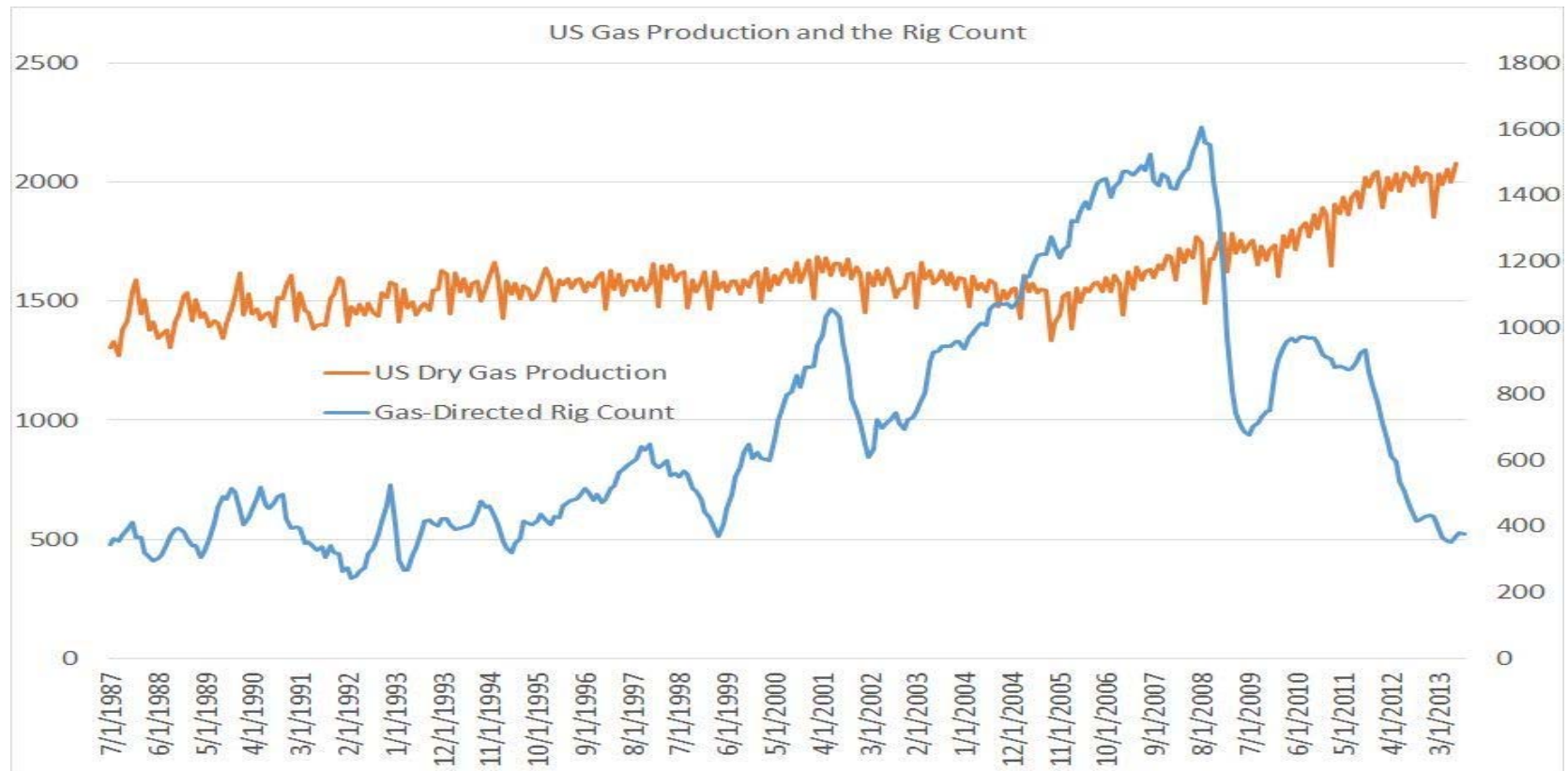
1. USD GAINS CUT COSTS RELATIVE TO REVENUE
2. WATERFLOOD DRILLING
3. NARROWING DIFFERENTIALS

HEDGING = 58% 2014, 26% 2015

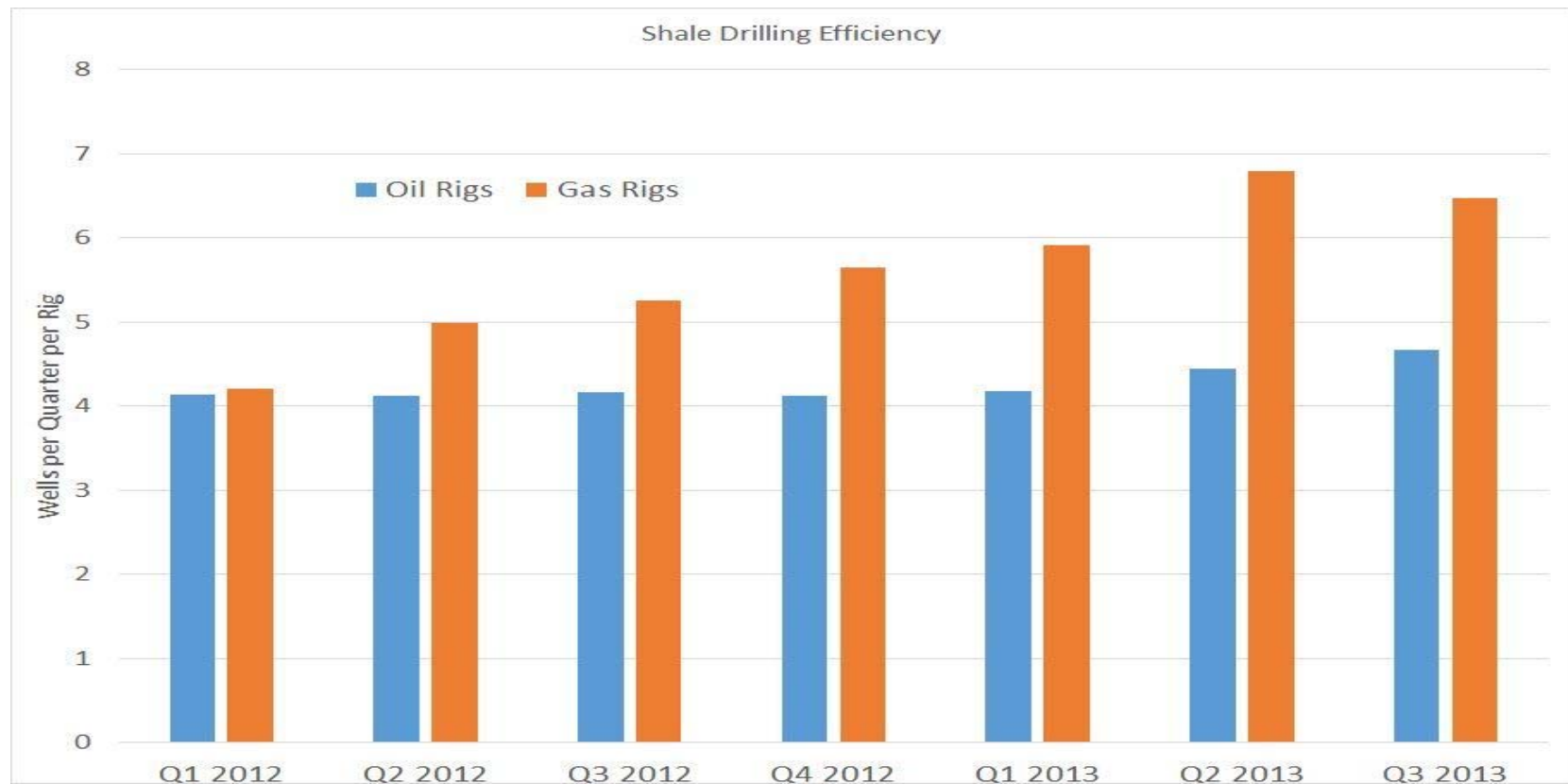
22 BUYS, 1 HOLD, 1 SELL



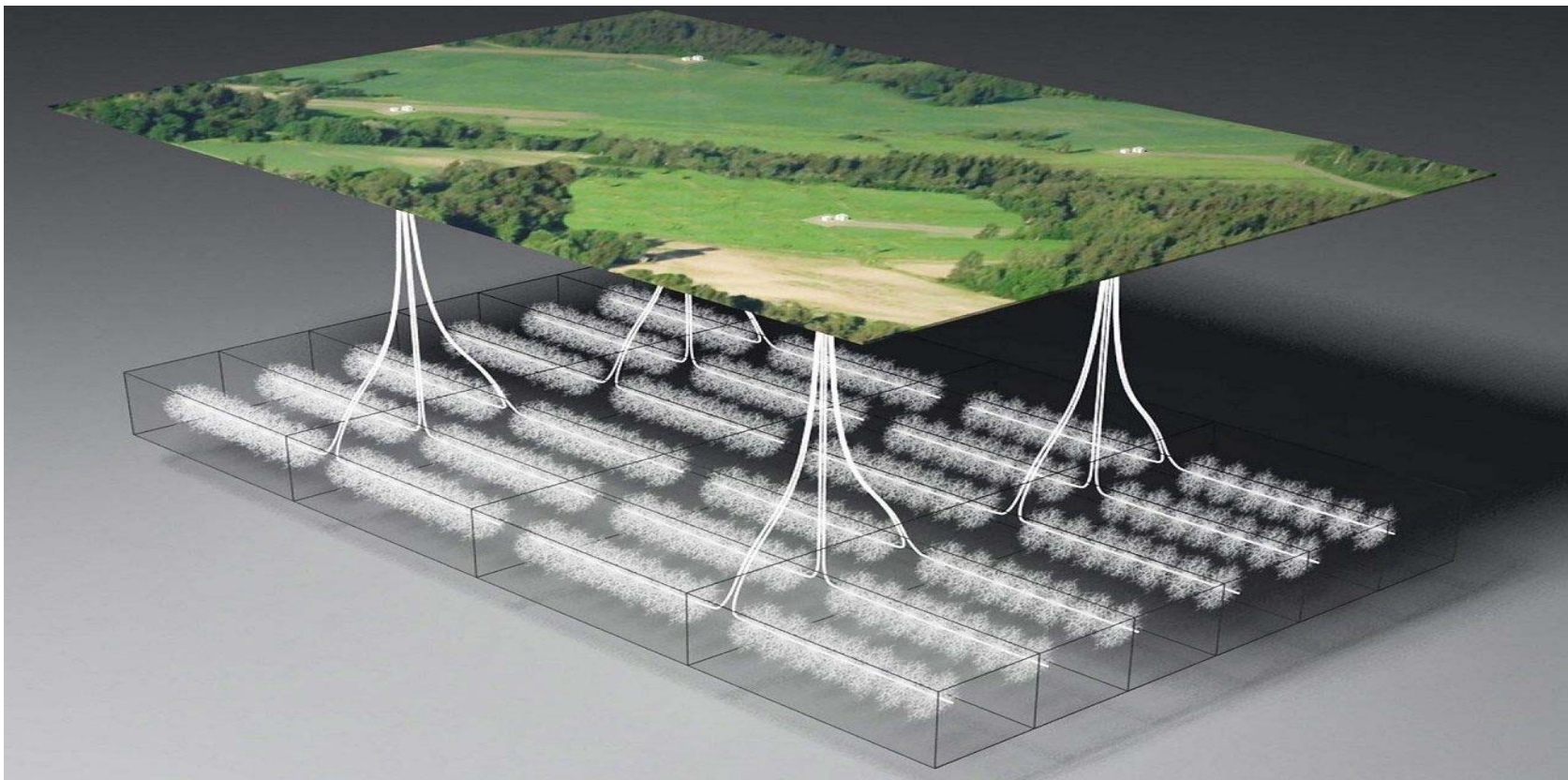
More Gas With Fewer Rigs



Drilling Efficiency Gas and Oil

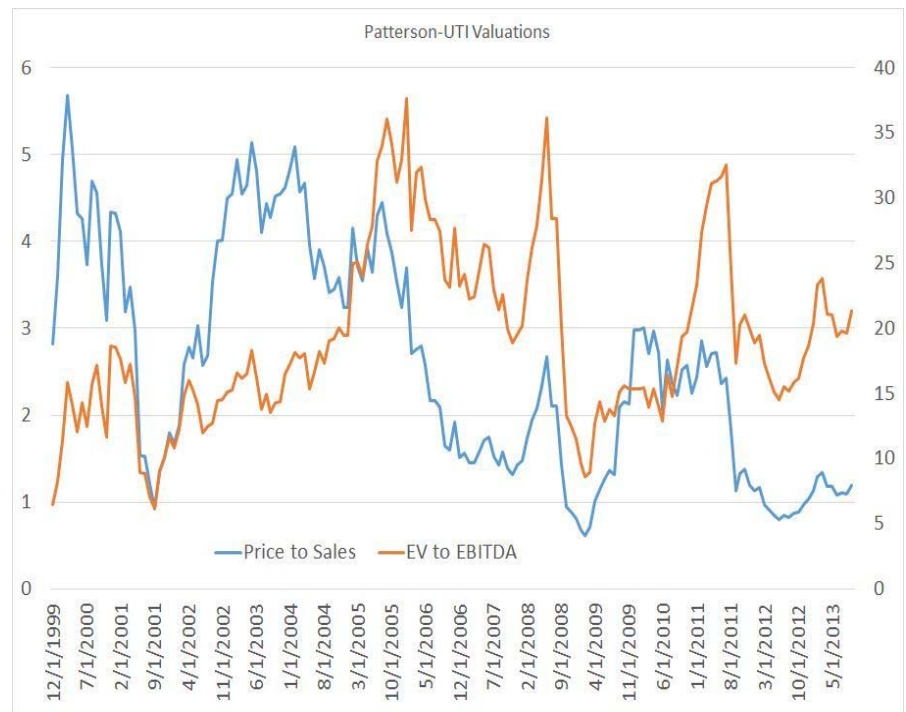


Launch Pad for Growth

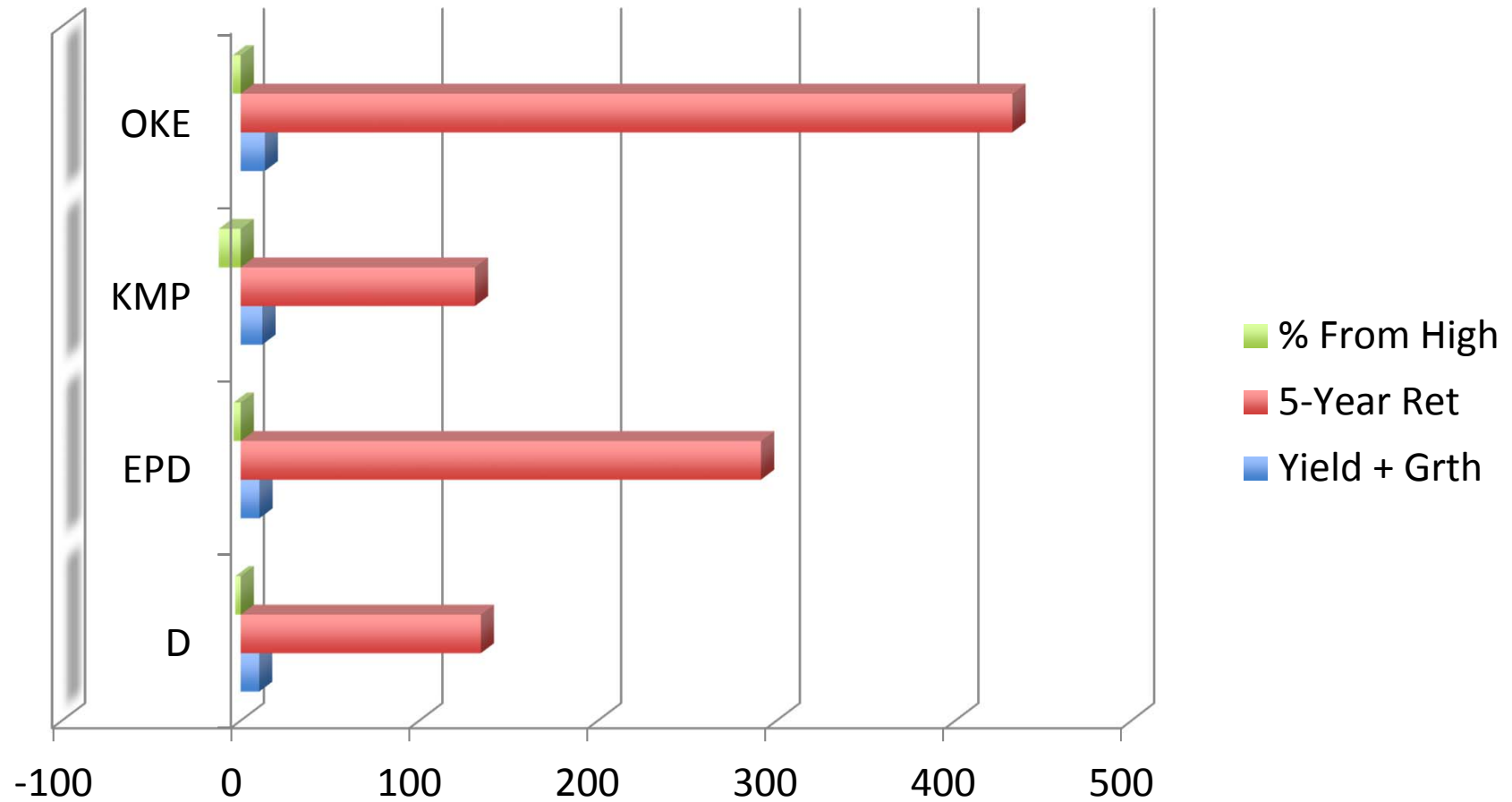


Patterson-UTI (NSDQ: PTEN)

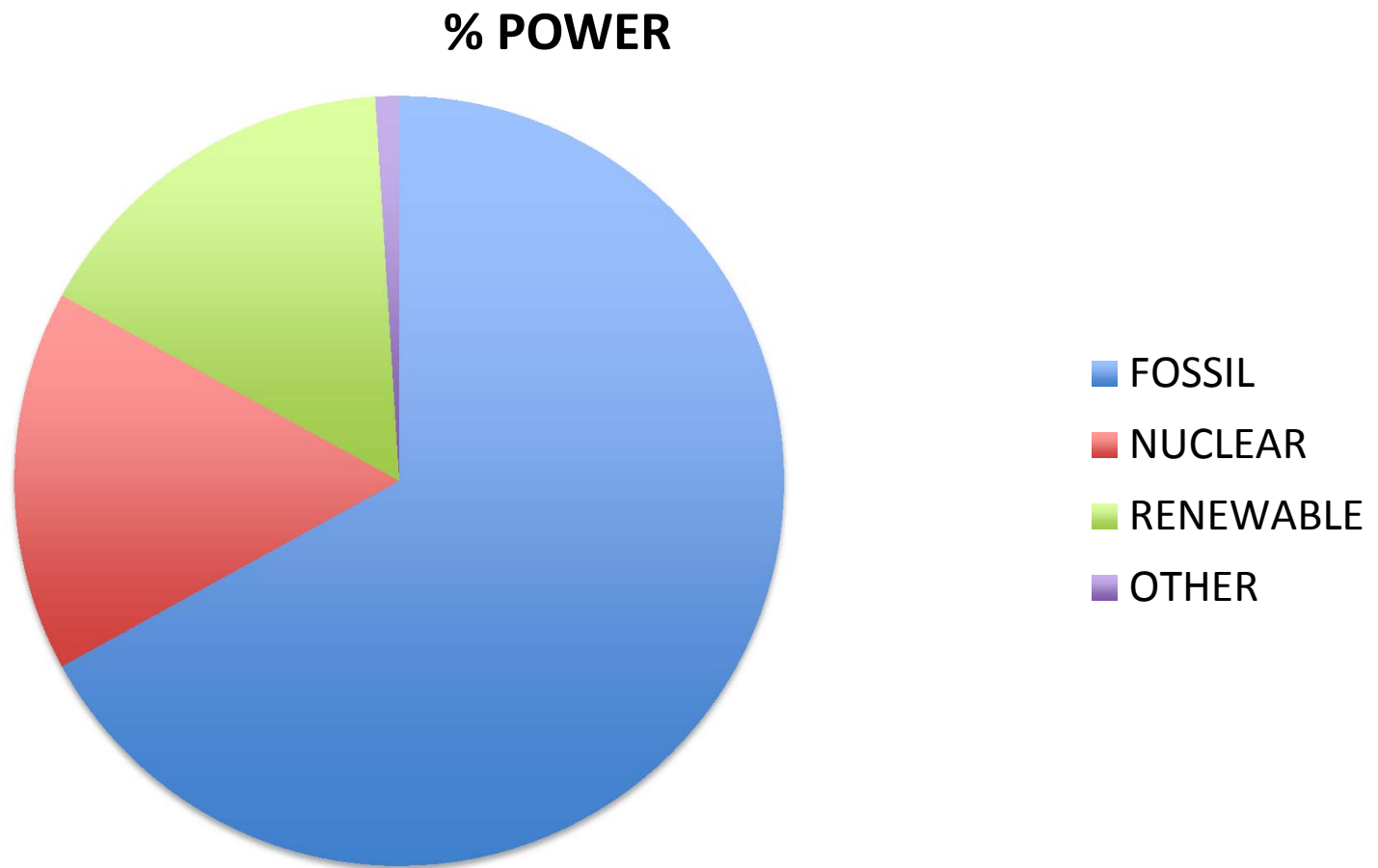
- 60% of revenues from contract drilling, 40% from pressure pumping
- 300 working rigs
- 2009: 75% of rigs mechanical, 2013: more than 50% electric, 126 rigs APEX.
- 6 New APEX Rigs (all “Walking”) in 2H 2013, 12 in 1H 2014



BEST IN CLASS



NUCLEAR: STILL A POWER



SOUTHERN COMPANY (NYSE: SO): CAPEX IS GOOD

BUSINESS = REGULATED ELECTRICITY

KEY STATES = GA, AL, FL, MS

YIELD = 4.9%

5 YEAR DIV GROWTH = 20.8%

CAPEX PAST THREE YEARS = \$14.4 BIL

PROJECTED 3 YEAR CAPEX = \$17.5 BIL

PAYOUT RATIO = 74.5%

FUEL SOURCES = NAT GAS (42%), COAL (38%), NUCLEAR (18%), HYDRO (2%)

KEY RISKS:

1. KEMPER PLANT COST OVERRUNS
NOW ACCOUNTED FOR
2. VOGTLE PLANT ON TRACK AND
PAID FOR AS WORK COMPLETED
3. SUPPORT IN GEORGIA = RATE
DECISION PROVIDED CLARITY

INSIDERS RAISE HOLDINGS 11.05%

EARNINGS REPORTED JAN 29



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Roger S. Conrad

Elliott H. Gue

Service@CapitalistTimes.com

1-888-960-2759