GLOBAL OIL MARKET TRENDS

PER MAGNUS NYSVEEN
EIA WORKSHOP ON OIL MARKETS
WASHINGTON DC
SEPTEMBER 2016

28 September 2016



Once upon a time, in 2014, a huge imbalance between supply and demand was in the making

Global liquids supply and demand Million bbl/d 105 -Demand Demand outlook (Jun 2014) Supply --- Supply outlook (Jun 2014) Historical Forecast

2014 June 18: www.rystadenergy.com/NewsEvents/PressReleases/oil-markets-increasing-risk-of-oversupply-despite-sustained-issues-around-opec-supply-

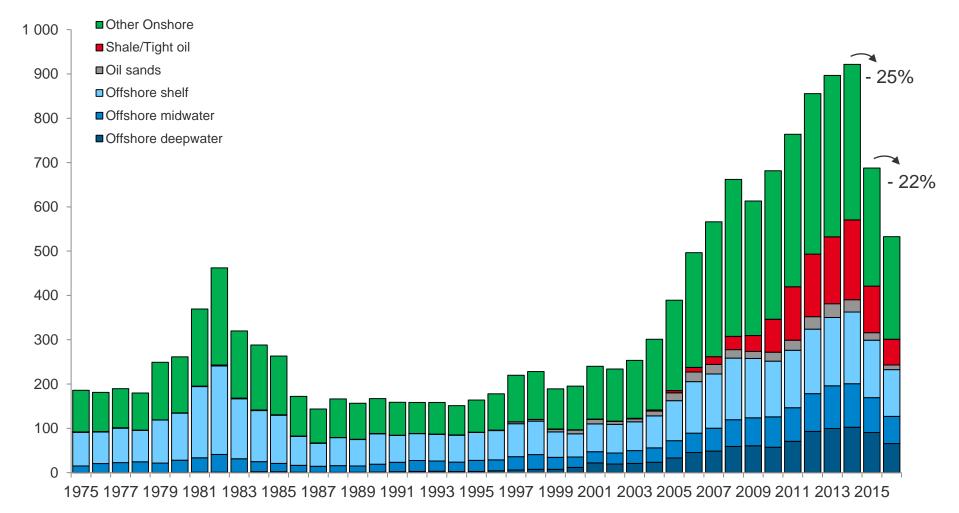


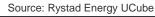


We are witnessing the biggest drop in investments ever in the oil & gas industry

Investments in the global E&P industry

USD billions (real 2016 dollars)





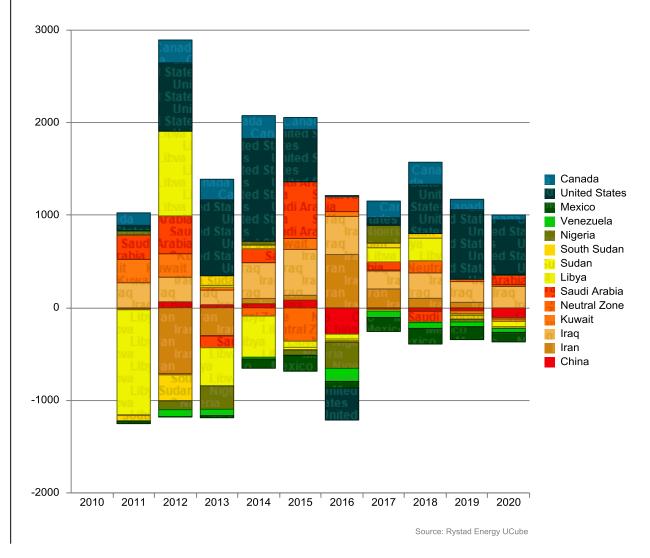
Production outlook M/M and Y/Y by key countries

We expect slow return of oil in countries affected by political or economic crises like Libya, Nigeria, Venezuela, South Sudan.

Strong growth from US oil will be needed to balance oilmarkets as soon as markets rebalances.

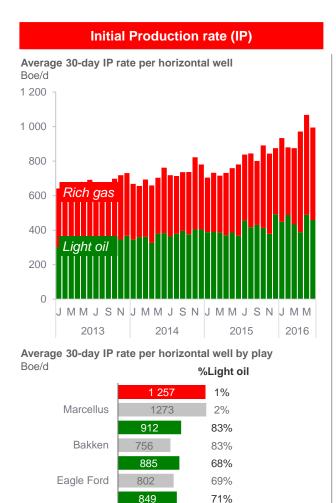
We see core-Opec will not significantly increase market shares, revenue is probably maiximized at flat production levels with US growth to a large extent meeting world demand growth.

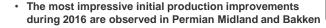
kbbld Y/Y, liquids





Three indicators of well productivity – shale oil base decline today is 40% lower than in Dec14





70%

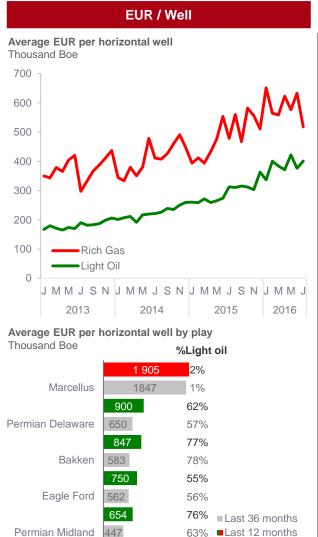
■ Last 36 months

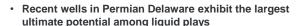
77% Last 12 months

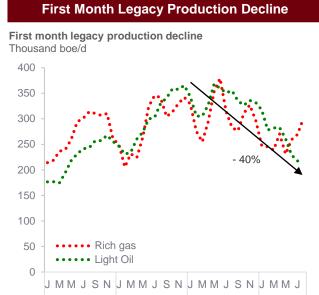
757

689

536







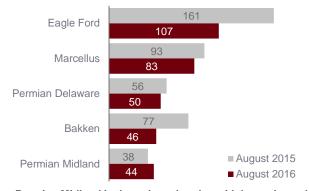
First month legacy production decline by play Thousand boe/d

2014

2015

2016

2013



 Permian Midland is the only major play with larger base decline in August 2016 than in August 2015

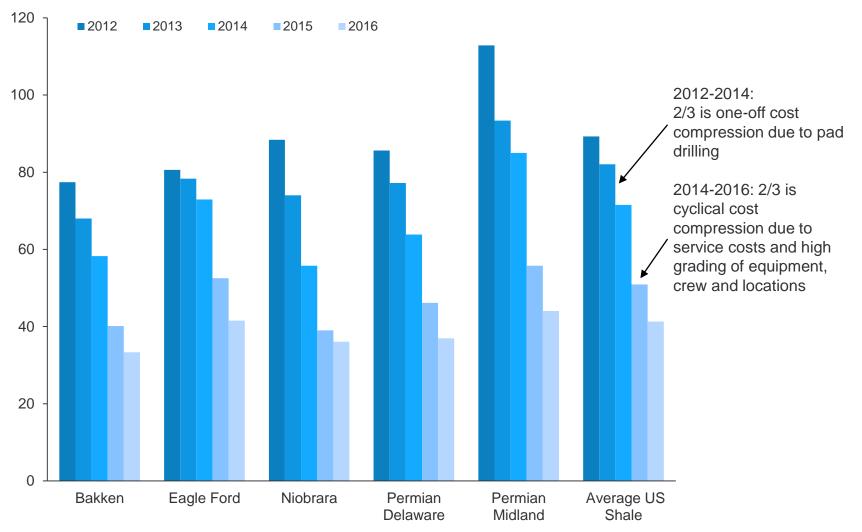


Permian Delaware

Permian Midland



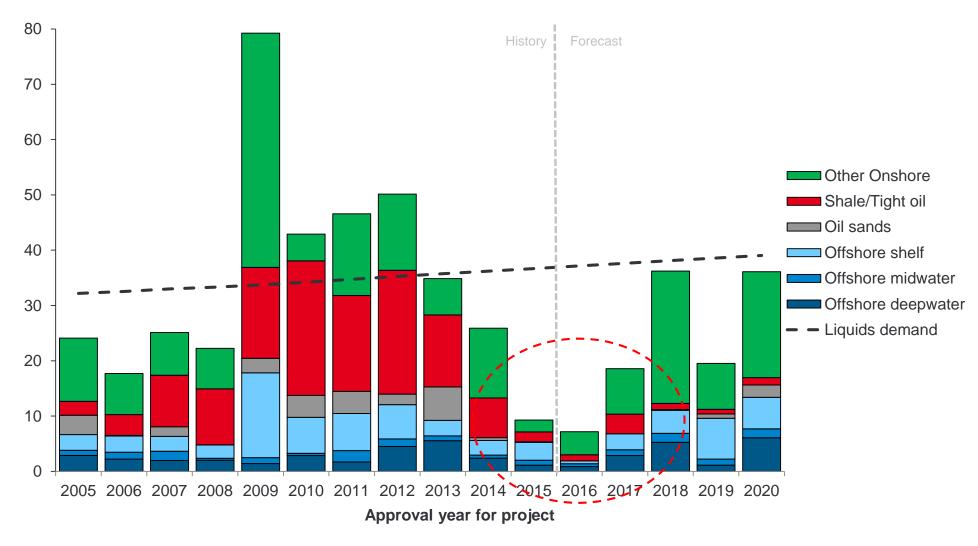
Average wellhead breakeven price for different plays and spud years USD/bbl



Source: NASWellCube Premium

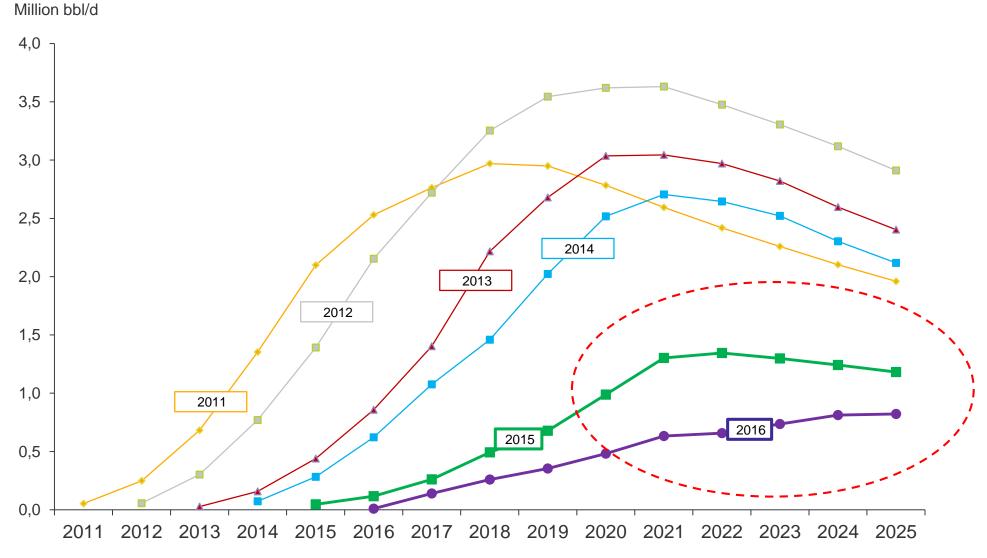
What about supply responses affecting the medium term? Sanctioning of new fields has collapsed to alarmingly low levels...

Total liquids resources in fields, by approval year for the project Billion boe



..and the supply impact will be felt 5-7 years down the line - less than half of normal volumes

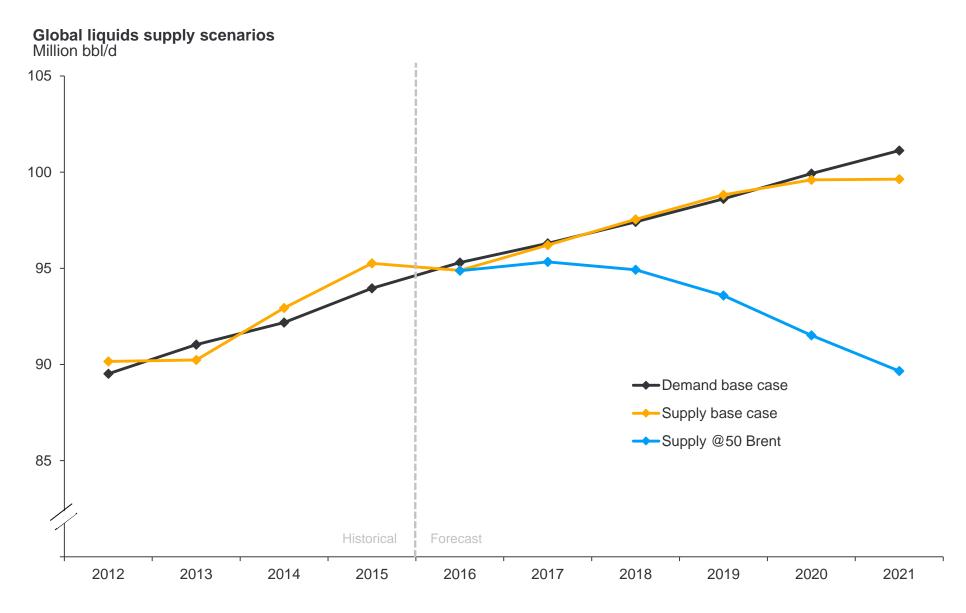
Oil field production profiles (excl. shale assets) by approval year





Source: Rystad Energy UCube

Brent at 50 USD/bbl is too low after 2017 as supply will not be able to grow





Thank You!

Per Magnus Nysveen Senior Partner

per@rystadenergy.com Oslo HQ: +47 24 00 42 00 NYC office: +1 (646)-774-2895 Houston: +1 (281)-231-2600

www.rystadenergy.com

