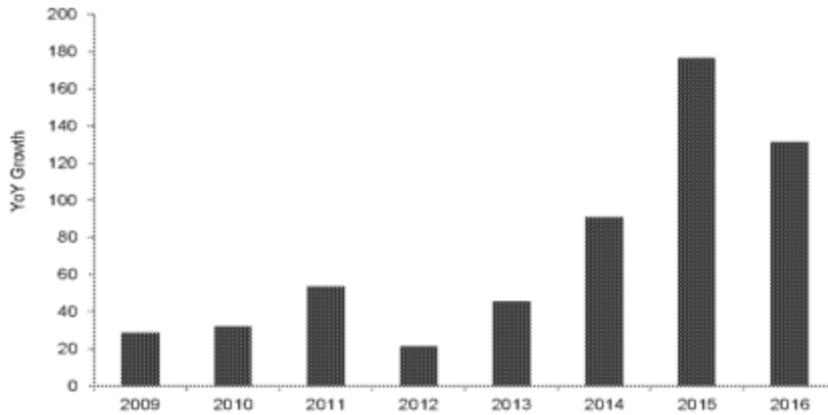




Figure 3: Norwegian growth barrels at recent highs



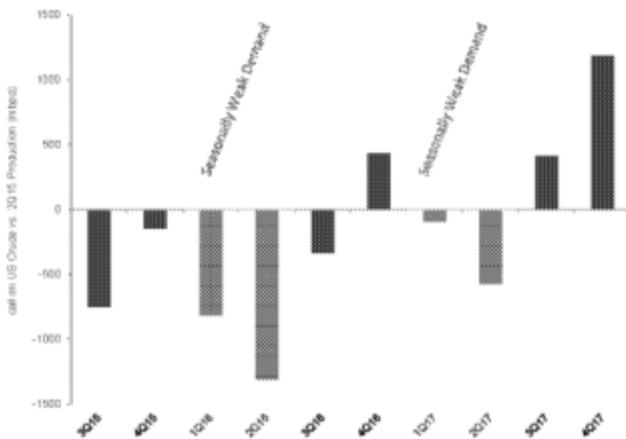
Source: Deutsche Bank, Wood Mackenzie, IEA, includes Ekofisk II redevelopment project

But, there is a call on US onshore oil growth – the new swing producer  
 Although we don't expect a rapid decline in Non-OPEC production, stronger than expected global crude demand will still result in a call on US onshore production growth, although not likely until 2H 2016 culminating in a 2017 call of ~500 Mb/d. We decompose the call into two parts:

- We estimate that ~260 Mb/d of incremental demand is needed beyond peak (2Q15) L48 production that is not otherwise being supplied from non-OPEC producers (assuming non-growing OPEC).
- We anticipate a trough in US production in 1Q16 and estimate a gap of ~270 Mb/d vs 2Q15 production that will need to narrow toward an estimated call on US onshore production of ~7.65 MMB/d in '17.

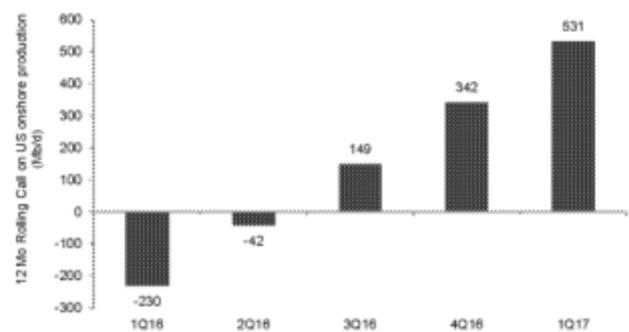
We anticipate demand for US onshore crude production to accelerate through 2017 and for the call on YoY crude growth to nearly 700 Mb/d in 2018 and to surpass 1,000 Mb/d in 2019/2020 as Non-OPEC production growth tapers off.

Figure 4: Incremental Demand for US Onshore Crude Expected To Emerge Late 2016 (vs. 2Q15 Production)...



Source: Deutsche Bank, Wood Mackenzie, IEA

Figure 5: Forward rolling 12 mo call on US onshore production growth (vs 1Q16 production) positive in 2H16



Source: Deutsche Bank, Wood Mackenzie, IEA