

# GLOBAL OIL: OPEC – BLOWOUT OR BUSTED?

## Executive Summary

- If the deal is adhered to then it is significant and will see the global oil market fall into under supply through 2017. This should draw down inventories and create a healthier backdrop for medium term prices.
- There is healthy skepticism that countries will be able to resist cheating on their agreed production levels though and how effective the new monitoring board will be in ensuring compliance. Compliance by Non OPEC countries such as Russia will also be critical, especially given the reliance on individual companies operating in those countries to follow the government's position. The financial pressure of low oil prices in recent years may or may not be sufficient to leave participants with the feeling that they have no option but to comply.
- We now expect oil prices to remain above \$50 (Brent) for the first half of 2017 with prices after that dependent on the U.S. supply response.

Following the announcement of a joint deal by OPEC and a group of non-OPEC countries to restrict the production of oil supply in Q1 and Q2 2017, members of our global oil team, Daniel Forgie, John Vail, Johnny Russell and Simon Down discuss the events. This follows the team's earlier prediction that markets were underestimating the chances of a deal being struck.

## Global Oil: November Could Be Critical

<https://en.nikkoam.com/articles/2016/11/global-oil-november-could-be-critical>

- DF:** Daniel Forgie, Senior Portfolio Manager, Nikko Asset Management Americas  
**JV:** John Vail, Chief Global Strategist, Nikko Asset Management Americas  
**JR:** Johnny Russell, Investment Director, Global Equity, Nikko Asset Management Europe Ltd  
**SD:** Simon Down, Senior Portfolio Manager, Nikko Asset Management Europe Ltd

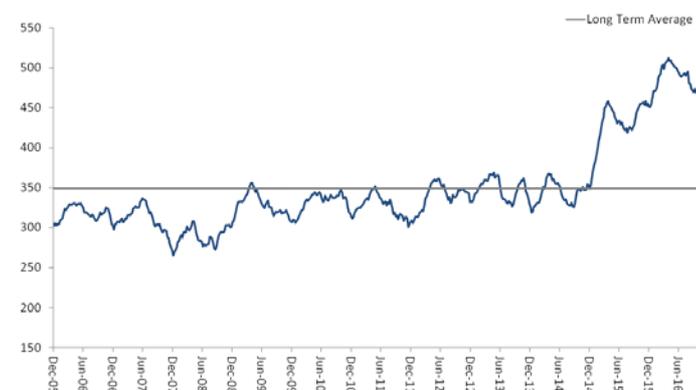
## What are the team's initial reactions to the OPEC announcement on November 30?

**SD:** I've outlined the current EIA (U.S. Energy Information Administration) forecasts for 2017 in the table below, along with how the proposed deal should affect supply and ultimately feed through into the level of over or under supply in the market. If the deal is adhered to, and assuming demand and supply forecasts are unchanged then we should see a significant inventory draw. 45m b/d in Q1, 81.9m b/d in Q2 and 64.4m b/d in Q3.

In total that would be an inventory draw of 191.3m barrels over the first nine months of 2017. To put that in context, U.S. inventories which are perceived to be very high, and often used as a proxy for global oil inventories, are currently around 100m barrels above their long term average. So this is a big deal and could see a sizeable draw on inventories in 2017. With demand currently expected to grow in excess of supply in 2017, the market would move into a more structural level of under-supply in 2018 unless prices reached a level which triggered a sizeable supply response from U.S. shale.

	Current EIA Forecast	Proposed Supply Cut	After OPEC Deal
Q1	Oversupply 0.5m b/d	1m b/d (0.4m OPEC / 0.6m Non OPEC)	Undersupply 0.5m b/d
Q2	Oversupply 0.4m b/d	1.5m b/d (0.9m OPEC / 0.6m Non OPEC)	Undersupply 0.9m b/d
Q3	Undersupply 0.7m b/d	Unchanged	Undersupply 0.7m b/d

## Department of Energy, US Crude Oil Inventories (million barrels)



Source: Bloomberg

**JR:** Agreed. Equity prices have reacted accordingly, and continue to do so. I dare say Mr. Trump is happy with this outcome, along with those working in Houston. I suppose the key question becomes what oil price is required to trigger an extra 1m b/d elsewhere (meaning the U.S.)? How quickly can rigs, pipeline and off take capacity, pressure pumping equipment all get back to work?

Equities were already pricing in oil prices above strip, but I imagine that the sector will continue to perform well until we can see or determine where the cap is. Hard to see anything but the usual “Santa Claus rally” for the oil patch.

**DF:** In recent conversations I’ve had with industry executives, they pointed out that if OPEC was producing 34m b/d at around \$45, they are actually better off producing 32.5m b/d at >\$50 (assuming that price holds). Also, the result of the U.S. Presidential election was critical in forcing the Iranians to cooperate, given the potential threat of the U.S. undoing the sanctions relief.

### How much commitment do you think there is among OPEC members to stick to the agreement?

**JV:** Although there is strong reflationary sentiment globally, I feel skeptical that non-OPEC will agree to cut anywhere near to 600,000 b/d from present levels (and U.S. production is already starting to rise), and even if they do, implementation is doubtful. OPEC implementation is doubtful too, in my opinion. Of course, there is a seasonal cut in production at this time of year, anyway.

**JR:** First, I think they are only considering a cut because OPEC is producing almost at capacity, and their market share policy has failed. They cannot act as the “oil police” and global shock absorber if they operate at full capacity. Also, it’s in their interests to cut and raise fiscal revenues. So the cut makes OPEC and Saudi Arabia relevant again, at least for a while. I don’t think that OPEC will cut unless Russia is complying with its agreed cuts though, so the risk of non-compliance is high.

It would seem more likely that OPEC and non-OPEC will not manage the full cut, and that they are unlikely to persist with the cut beyond the summer. To persist with the same level of output would probably mean significantly higher oil prices, and the risk of permanent market share loss to the U.S. and acceleration in ‘peak demand’.

**DF:** According to a recent Goldman Sachs report, “Looking at the last 17 production cuts (1982-2009), observed production cuts have typically come in at 60% of the announced cuts, as measured by the change in secondary source production vs. the decline announced as calculated by the difference between pre-cut production levels and the announced quota levels.” I agree with John on the likely cheating, and Russia/non-OPEC’s willingness (or lack thereof) but it’s hard for me to pinpoint how much of that will occur or how severe it will be. It does seem likely to me that it won’t be Saudi Arabia cheating, and is more likely to be Iran, Iraq and Russia.

**SD:** On compliance I’d be much more optimistic. I don’t believe that you can compare the current deal with historical scenarios. For the past 18 months we know that there has been significant discussion behind the scenes regarding deals and non-compliance, given various comments by Saudi and other OPEC officials. We also know that some OPEC members have this time given unprecedented levels of detail on production. There is now to be a new monitoring committee with Kuwait, Venezuela and Algeria representing OPEC and two non-OPEC members (probably Russia being one), and this committee will use secondary sources to monitor production and ensure compliance. If there is non-compliance the whole deal comes down.

Critically for me we have two of the largest cutters, Saudi Arabia and Russia, who I believe are probably running into problems after over producing for too long. Then the usual suspects such as Venezuela have been broken by low prices, they need this deal to work. Nigeria is exempt but they are facing new attacks and supply disruptions anyway.

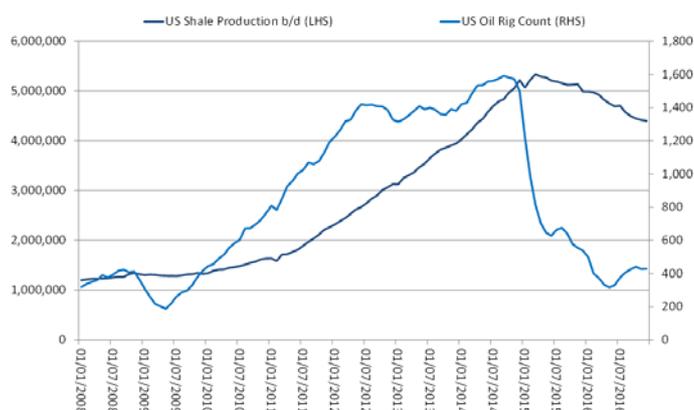
On non-OPEC production, it sounds like Russia have committed to 300,000 b/d, so half of the planned cut. Other countries that are part of the deal appear to be Azerbaijan (860,000 b/d estimated production), Kazakhstan (1.7m b/d), Oman (285,000 b/d) and Mexico (2.2m b/d). There is no way that this deal would have been struck unless there was a high degree of confidence that other parties are on board.

### Does this mean that the U.S. assumes the role of swing producer going forward?

**DF:** The capability is there for the U.S. to double production, the question is what price is needed for some of the basins to work again from a profitability standpoint. If the U.S. now assumes the role of swing producer that means we need an additional 1m b/d of U.S. production next year, and we would need to see rig counts in the U.S. continue to rise by 10% or so from current levels to meet that type of need. Given the existing inventory of drilled but uncompleted wells (DUCs) in the U.S., increased completion activity could mitigate the need for additional rigs while also providing incremental supply.

In terms of profitability in the U.S. oil patch, higher prices would be very good, as most companies are saying they can retain 50+% of the cost reductions achieved over the past year, and that there isn’t much pricing pressure from the oilfield services companies, even with the recent pickup in activity. Of course, the producers are also indicating they will spend any incremental free cash and continue to run cash neutral/slightly negative.

### U.S. Shale Oil Production vs. U.S. Rig Count



Sources: EIA, Bloomberg

**JR:** We are all going to find out how responsive the U.S. system is, and where the natural cap is. Therefore the move in share prices appears rational, although as I've said before the equities already price in oil above strip. The earnings momentum will be difficult to resist.

If U.S. production grows into demand, there will be an annual inflow of \$18bn or so into the U.S. each year (assuming a \$50 oil price). The U.S. will take market share. A cap will be reached and then OPEC will try to get market share again. This cycle will continue until peak demand is reached or cheap shale is exhausted. I think it will be the former first. It is likely bullish for the US oil patch and the U.S. Dollar. It can't be good for emerging market consumers of oil.

I think it is right to focus on the timing and scale of a shale response; it will take a while for production to flatten off, never mind grow. The best case scenario (barring forced shortages, wars, etc.) is the full cut and a rebalance to normal inventory levels by the summer of 2017 or Q3 2017. The rise in the oil price will incentivize U.S. producers to put capital to work today. If OPEC keeps their cut into the second half of 2017, then yes, it will take some time for the U.S. to counter the market shortage, and we will move into below average inventory levels and prices will spike.

The other point I would make is the consistent underestimation of technological and industrial knowledge that has led to U.S. production levels exceeding expectations, despite capital spending reductions. It has been wrong to underestimate US production.

**SD:** On U.S. shale, the latest EIA data still has shale production declining as per the numbers below.

### EIA U.S. Shale Oil Production

Date	US Shale Oil Production
Jan-2016	4,991,727
Feb-2016	4,974,569
Mar-2016	4,924,540
Apr-2016	4,825,170
May-2016	4,753,174
Jun-2016	4,693,809
Jul-2016	4,708,823
Aug-2016	4,578,695
Sep-2016	4,499,600
Oct-2016	4,449,943
Nov-2016	4,420,154
Dec-2016	4,402,685

Obviously that will change at higher prices, but even when U.S. shale production was ramping up at its peak, they were only adding around 100,000 b/d per month. Looking at just the Permian Basin, it was much less than that. So even in an optimistic scenario where U.S. shale production turns around very quickly, it could take some time to counter a market shortage. This also assumes that OPEC would be unwilling to add supply by rescinding the cuts if the market were in a deficit.

### Conclusion

1. There is a fair amount of skepticism about the true impact of the announced cuts. This could result in the market remaining in surplus a little longer than the magnitude of the cuts may imply.
2. If OPEC members show discipline and the full amount of expected reductions is implemented, we are likely to see a supply deficit in 2017. The U.S. is capable of assuming the role of swing producer, but needs higher prices to ensure they can and will. The danger is that the U.S. producers lose discipline and increase production too much, and the market goes right back to where it started, with OPEC again stepping in to enforce supply discipline.
3. Higher oil prices likely support the outlook for higher inflation and perhaps higher interest rates, supporting a stronger USD. The recent oil price increase aggravates what already promised to be inflationary pressure in 1Q17, due to the base effect from low oil prices in 1Q16. If prices spike due to a supply deficit, this could cause inflationary pressure above consensus and may result in faster monetary policy tightening actions next year.
4. Oil prices should remain above \$50 (Brent) for the next 6 months and the future path will be a function of the speed and magnitude of the U.S. supply response to any deficit in the market balance.
5. Industry profitability should continue to improve in 2017, as higher oil prices year-over-year, the expected retention of recent cost reductions, and further productivity improvements help boost the bottom line for many oil producers.

## Important Information

This document is prepared by Nikko Asset Management Co., Ltd. and/or its affiliates (**Nikko AM**) and is for distribution only under such circumstances as may be permitted by applicable laws. This document does not constitute investment advice or a personal recommendation and it does not consider in any way the suitability or appropriateness of the subject matter for the individual circumstances of any recipient.

This document is for information purposes only and is not intended to be an offer, or a solicitation of an offer, to buy or sell any investments or participate in any trading strategy. Moreover, the information in this material will not affect Nikko AM's investment strategy in any way. The information and opinions in this document have been derived from or reached from sources believed in good faith to be reliable but have not been independently verified. Nikko AM makes no guarantee, representation or warranty, express or implied, and accepts no responsibility or liability for the accuracy or completeness of this document. No reliance should be placed on any assumptions, forecasts, projections, estimates or prospects contained within this document. This document should not be regarded by recipients as a substitute for the exercise of their own judgment. Opinions stated in this document may change without notice.

In any investment, past performance is neither an indication nor a guarantee of future performance and a loss of capital may occur. Estimates of future performance are based on assumptions that may not be realised. Investors should be able to withstand the loss of any principal investment. The mention of individual stocks, sectors, regions or countries within this document does not imply a recommendation to buy or sell.

Nikko AM accepts no liability whatsoever for any loss or damage of any kind arising out of the use of all or any part of this document, provided that nothing herein excludes or restricts any liability of Nikko AM under applicable regulatory rules or requirements.

All information contained in this document is solely for the attention and use of the intended recipients. Any use beyond that intended by Nikko AM is strictly prohibited.

**Japan:** The information contained in this document pertaining specifically to the investment products is not directed at persons in Japan nor is it intended for distribution to persons in Japan. Registration Number: Director of the Kanto Local Finance Bureau (Financial Instruments firms) No. 368 Member Associations: The Investment Trusts Association, Japan/Japan Investment Advisers Association/Japan Securities Dealers Association.

**United Kingdom and rest of Europe:** This document constitutes a financial promotion for the purposes of the Financial Services and Markets Act 2000 (as amended) (FSMA) and the rules of the Financial Conduct Authority (the FCA) in the United Kingdom (the FCA Rules).

This document is communicated by Nikko Asset Management Europe Ltd, which is authorised and regulated in the United Kingdom by the FCA (122084). It is directed only at (a) investment professionals falling within article 19 of the Financial Services and Markets Act 2000 (Financial Promotions) Order 2005, (as amended) (the Order) (b) certain high net worth entities within the meaning of article 49 of the Order and (c) persons to whom this document may otherwise lawfully be communicated (all such persons being referred to as relevant persons) and is only available to such persons and any investment activity to which it relates will only be engaged in with such persons.

**United States:** This document is for information purposes only and is not intended to be an offer, or a solicitation of an offer, to buy or sell any investments. This document should not be regarded as investment advice. This document may not be duplicated, quoted, discussed or otherwise shared without prior consent. Any offering or

distribution of a Fund in the United States may only be conducted via a licensed and registered broker-dealer or a duly qualified entity.

**Singapore:** This document is for information only with no consideration given to the specific investment objective, financial situation and particular needs of any specific person. You should seek advice from a financial adviser before making any investment. In the event that you choose not to do so, you should consider whether the investment selected is suitable for you

**Hong Kong:** This document is for information only with no consideration given to the specific investment objective, financial situation and particular needs of any specific person. You should seek advice from a financial adviser before making any investment. In the event that you choose not to do so, you should consider whether the investment selected is suitable for you. The contents of this document have not been reviewed by the Securities and Futures Commission or any regulatory authority in Hong Kong.

**Australia:** Nikko AM Limited ABN 99 003 376 252 (**Nikko AM Australia**) is responsible for the distribution of this information in Australia. **Nikko AM Australia** holds Australian Financial Services Licence No. 237563 and is part of the Nikko AM Group. This material and any offer to provide financial services are for information purposes only. This material does not take into account the objectives, financial situation or needs of any individual and is not intended to constitute personal advice, nor can it be relied upon as such. This material is intended for, and can only be provided and made available to, persons who are regarded as Wholesale Clients for the purposes of section 761G of the Corporations Act 2001 (Cth) and must not be made available or passed on to persons who are regarded as Retail Clients for the purposes of this Act. If you are in any doubt about any of the contents, you should obtain independent professional advice

**New Zealand:** Nikko Asset Management New Zealand Limited (Company No. 606057, FSP22562) is the licensed Investment Manager of Nikko AM NZ Investment Scheme and the Nikko AM NZ Wholesale Investment Scheme.

This material is for the use of researchers, financial advisers and wholesale investors (in accordance with Schedule 1, Clause 3 of the Financial Markets Conduct Act 2013 in New Zealand). This material has been prepared without taking into account a potential investor's objectives, financial situation or needs and is not intended to constitute personal financial advice, and must not be relied on as such. Recipients of this material, who are not wholesale investors, or the named client, or their duly appointed agent, should consult an Authorised Financial Adviser and the relevant Product Disclosure Statement or Fund Fact Sheet (available on our website [www.nikkoam.co.nz](http://www.nikkoam.co.nz)).