

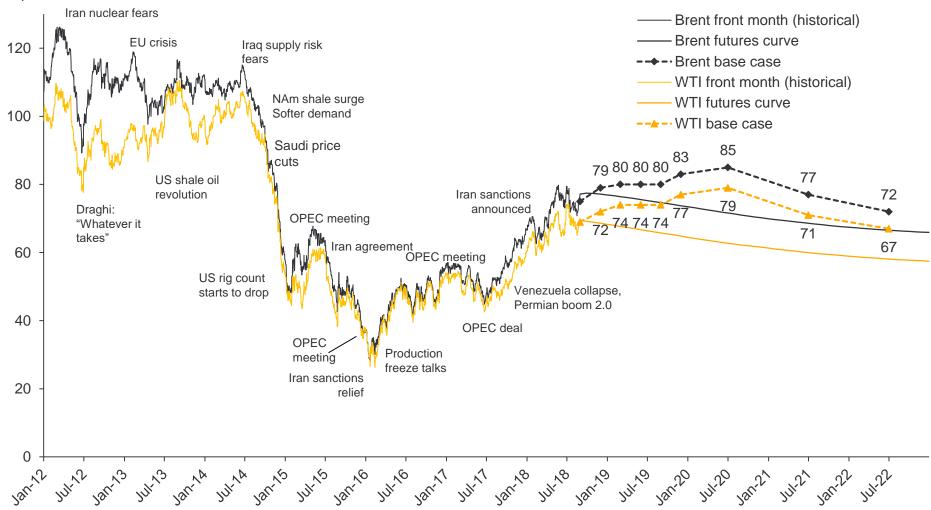


TIGHT MARKET AND HIGH PRICES LAY THE FOUNDATION FOR NEW INVESTMENT CYCLE

SEPTEMBER 2018

Still bullish outlook through 2020, but...

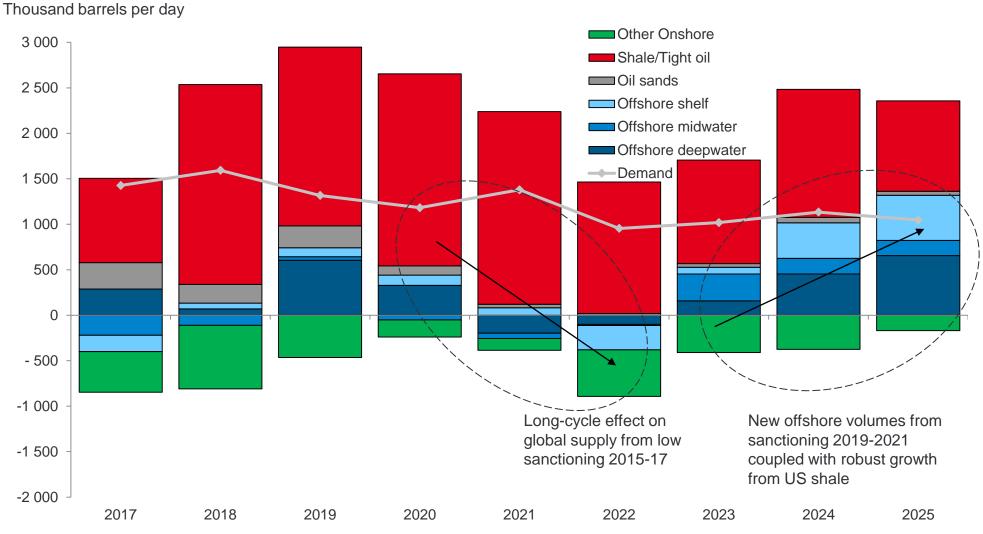
ICE Brent and NYMEX WTI historical 1M prices, latest futures curves and base-case Brent and WTI estimates USD per barrel





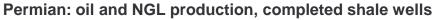
New investment cycle potentially creating too much supply 2023-2025 as shale can grow further

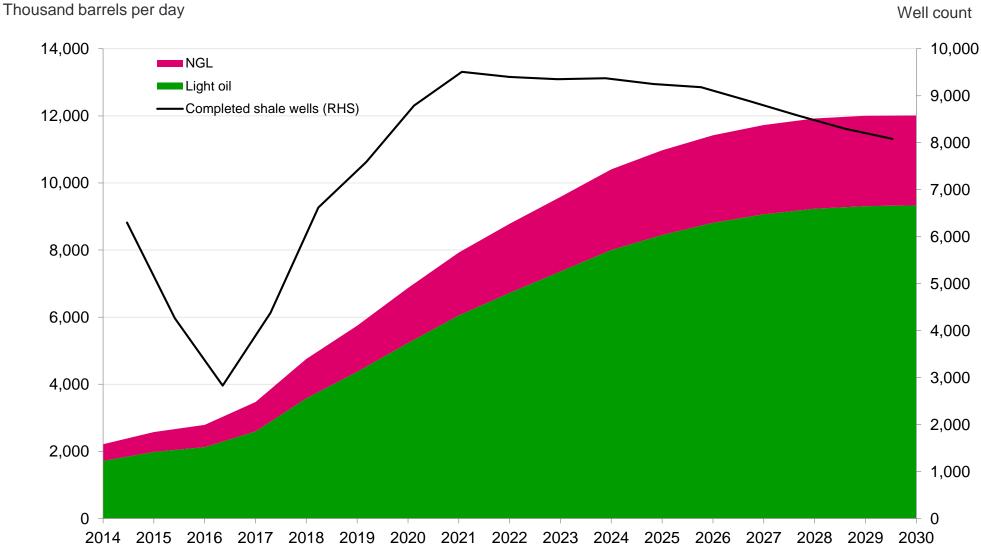
Global liquids supply growth by segment vs. demand growth





Permian Basin liquids production and activity in the base case price scenario

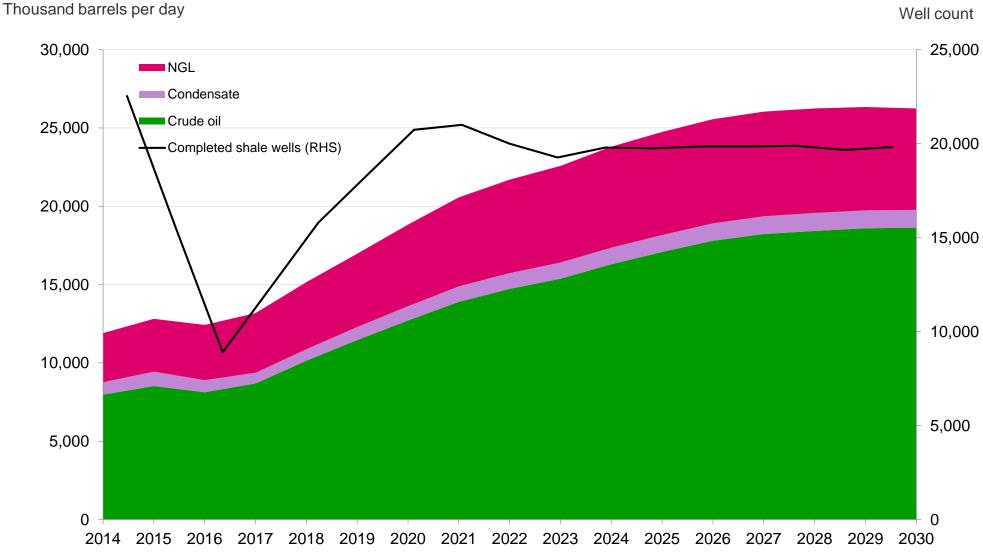




Source: Rystad Energy UCube September 2018

Total U.S. liquids production and activity in the base case price scenario

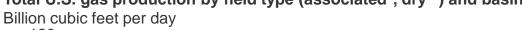
U.S. oil and NGL production, completed shale wells

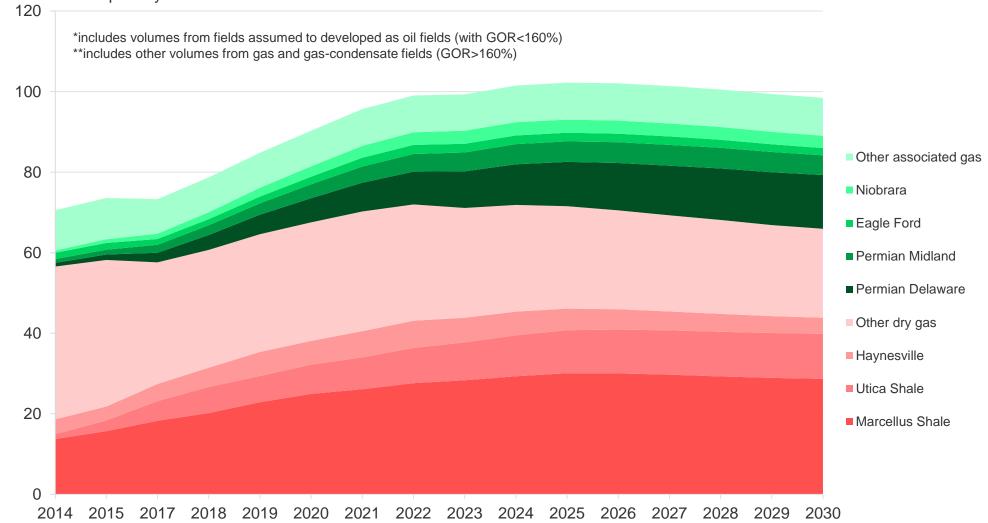


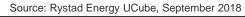
Source: Rystad Energy UCube September 2018

Total U.S. gas production in the base case scenario

Total U.S. gas production by field type (associated*, dry**) and basin

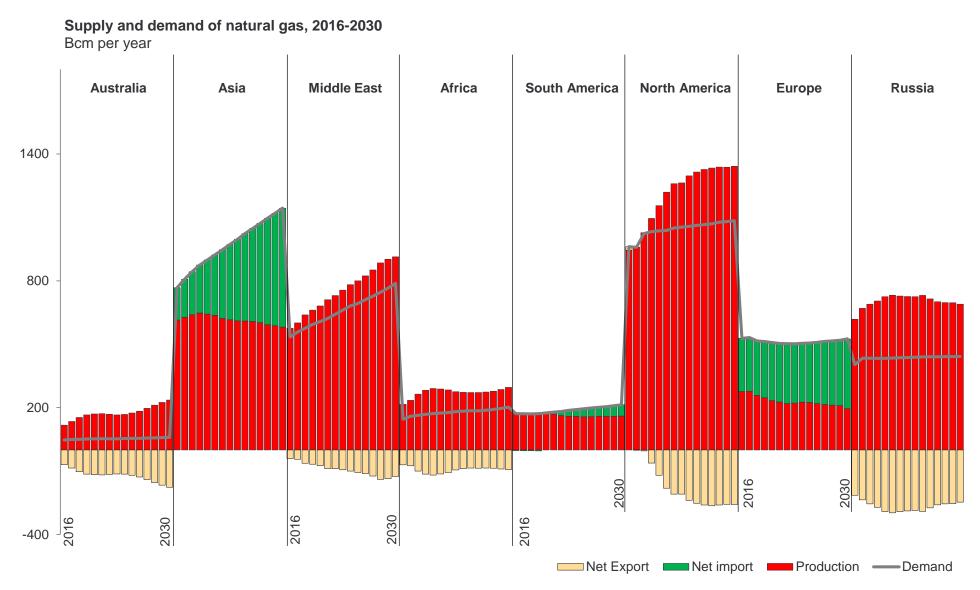






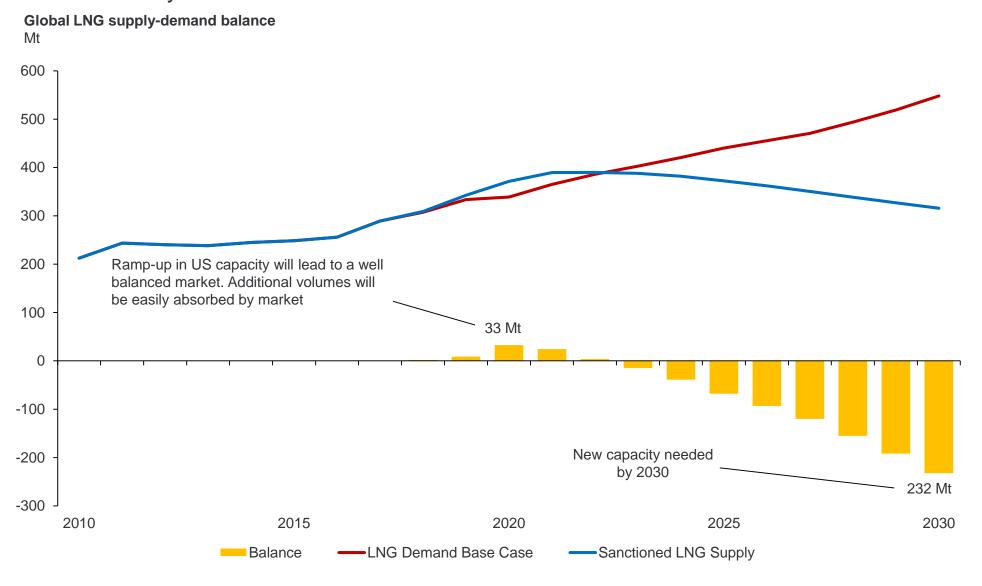


Longer distances between supply and demand to facilitate more LNG trade





LNG market to tighten after 2022, over 200 Mt of liquefaction projects need to be sanctioned to meet demand by 2030





Thank You!

