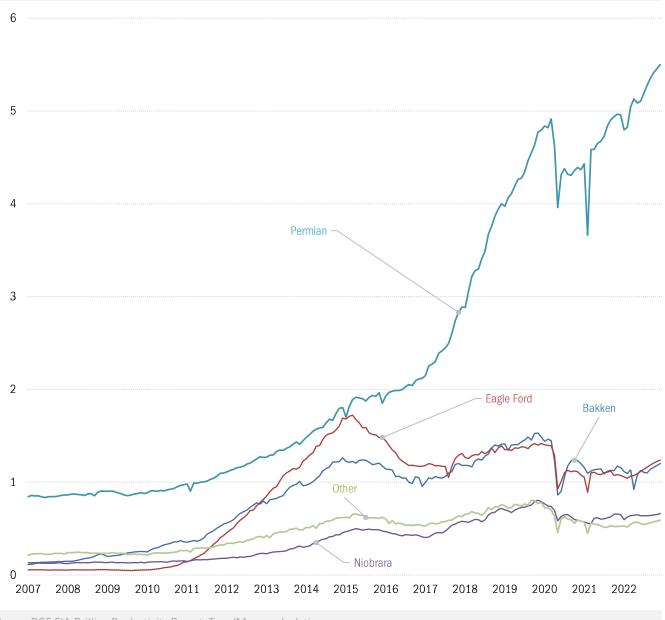


Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

Data Insights: Oil

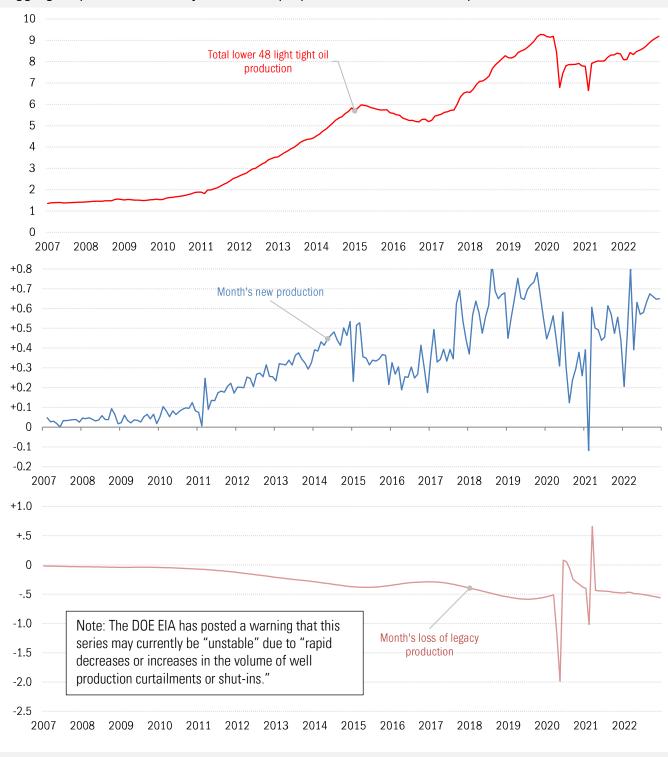
Monday, November 14, 2022

The light tight oil revolution -- the rollover, the recovery and the lockdown Production in major US shale plays, millions of barrels/day



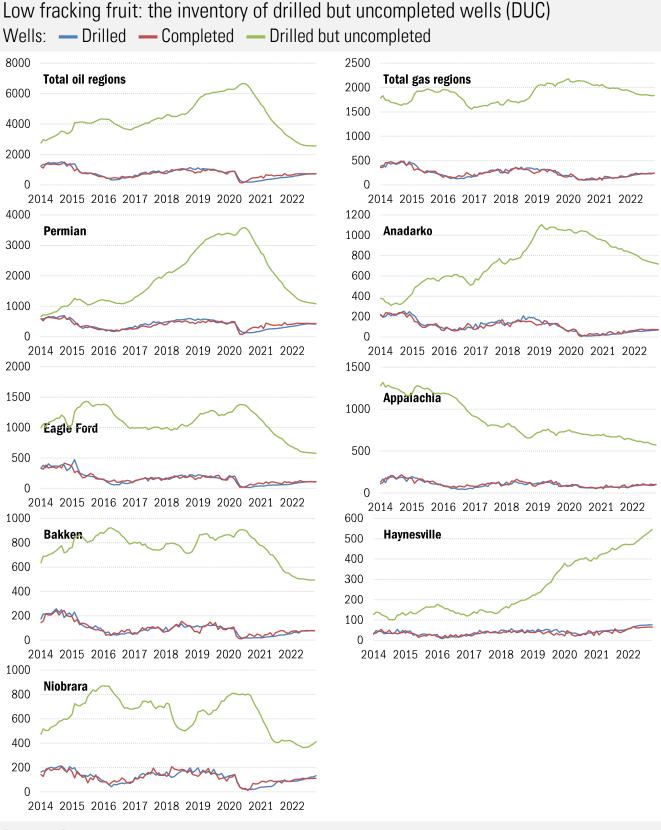
Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

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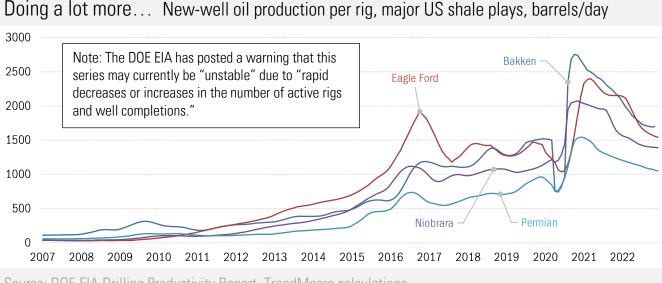


Sustaining the revolution: the arms-race with the shale decline-curve Aggregate production in major US shale plays, millions of barrels/day

Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

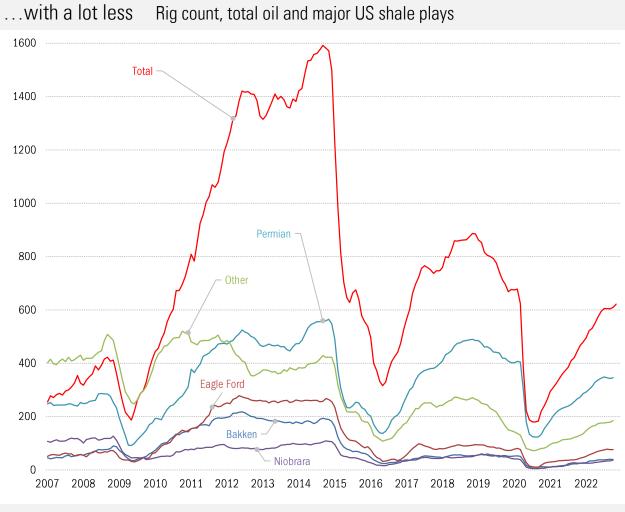


Source: DOE EIA Drilling Productivity Report, TrendMacro calculations



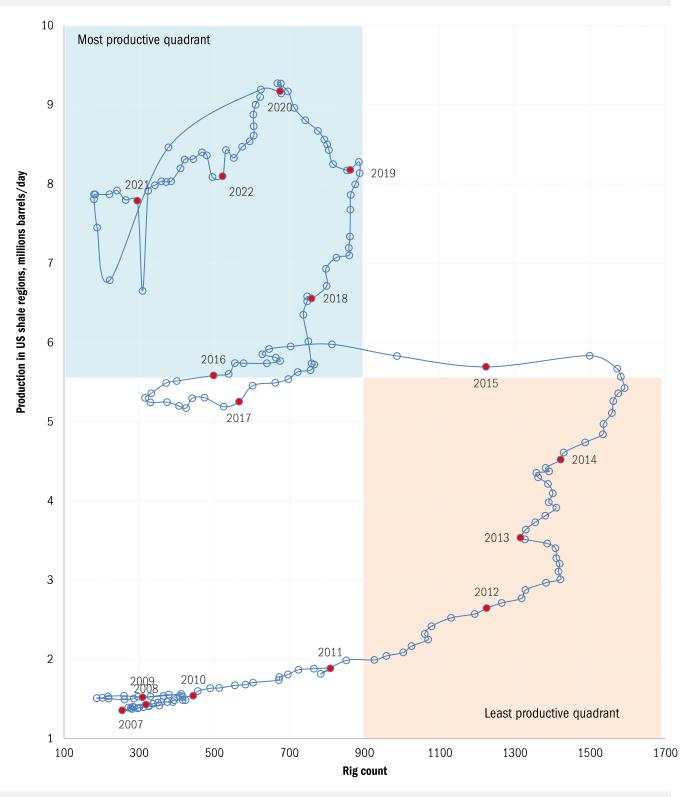
Doing a lot more... New-well oil production per rig, major US shale plays, barrels/day

Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

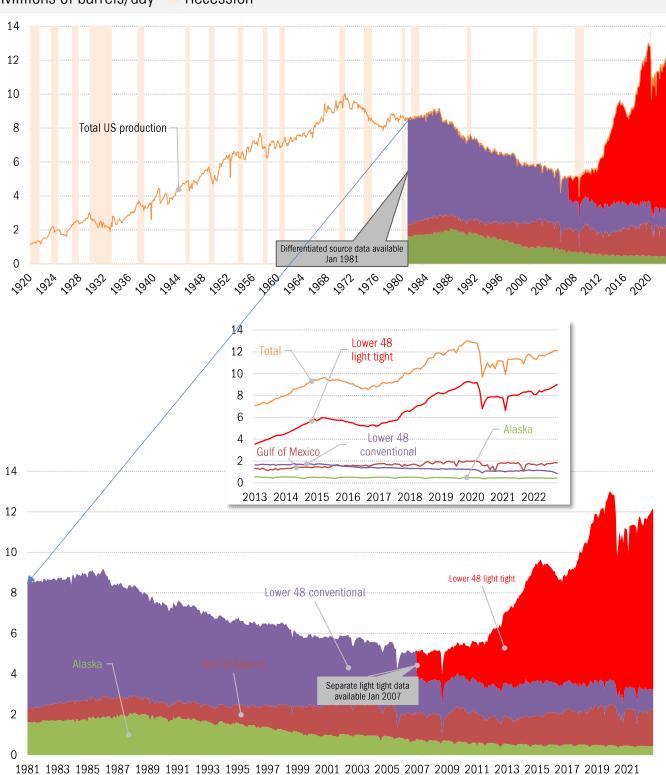


Source: DOE EIA Drilling Productivity Report, Baker Hughes, TrendMacro calculations

Flooding the productivity zone

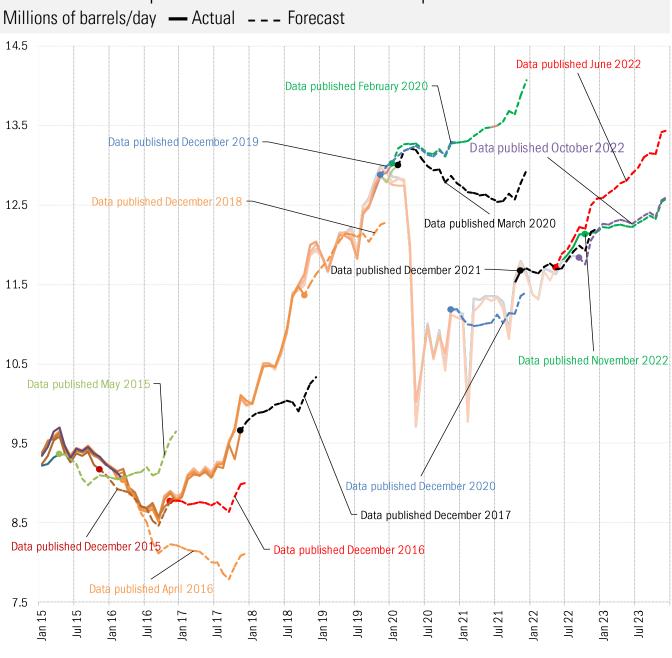


Source: DOE EIA Drilling Productivity Report, TrendMacro calculations



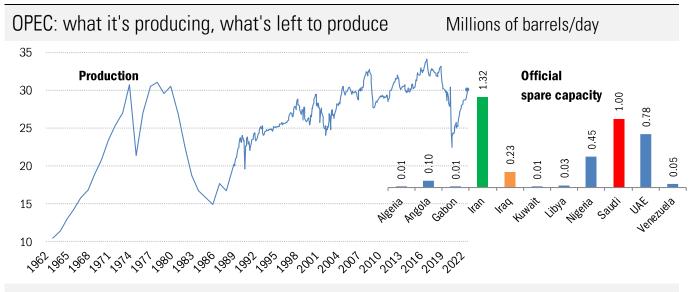
US crude oil production -- deep history, and the modern transformation of sources Millions of barrels/day Recession

Source: DOE EIA Short Term Energy Outlook, Drilling Productivity Report, TrendMacro calculations

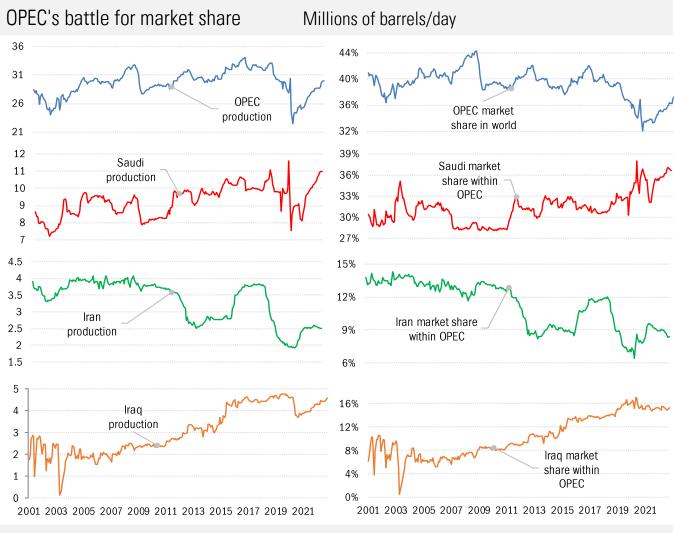


The evolution of expectations: booms and busts in US production outlooks

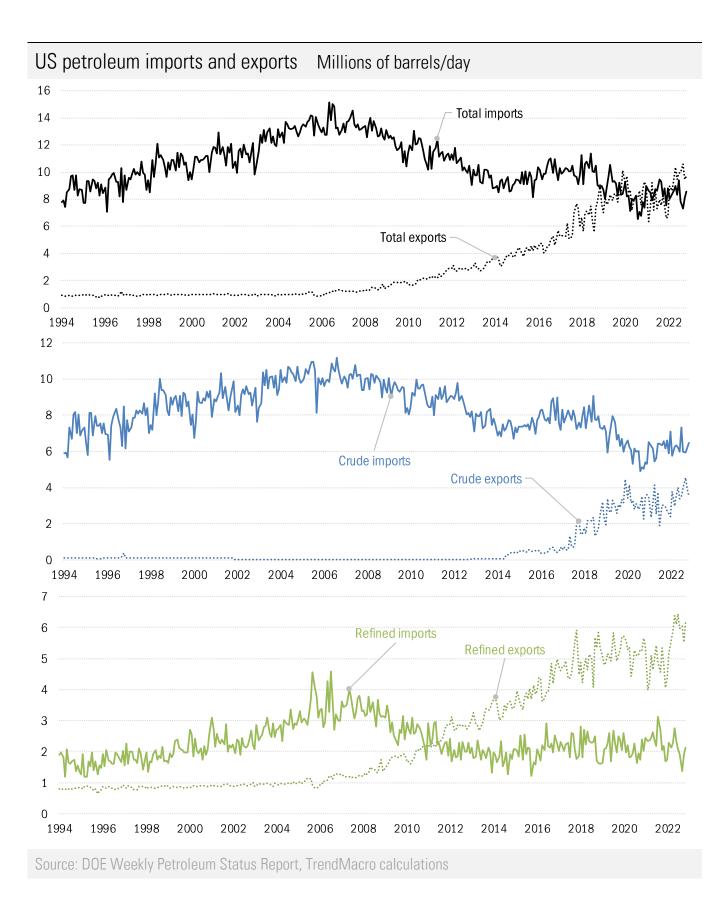
Source: DOE EIA Short Term Energy Outlook, TrendMacro calculations

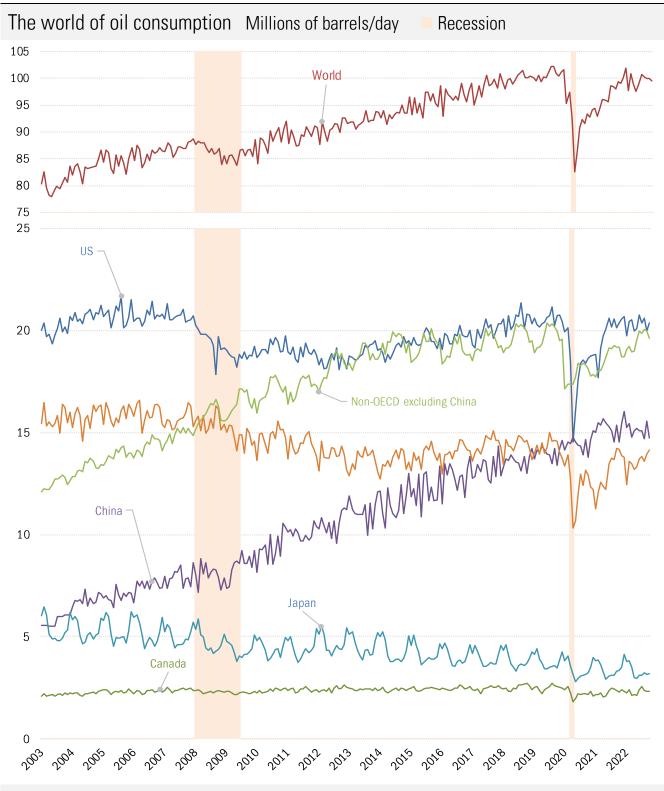


Source: Bloomberg News, TrendMacro calculations

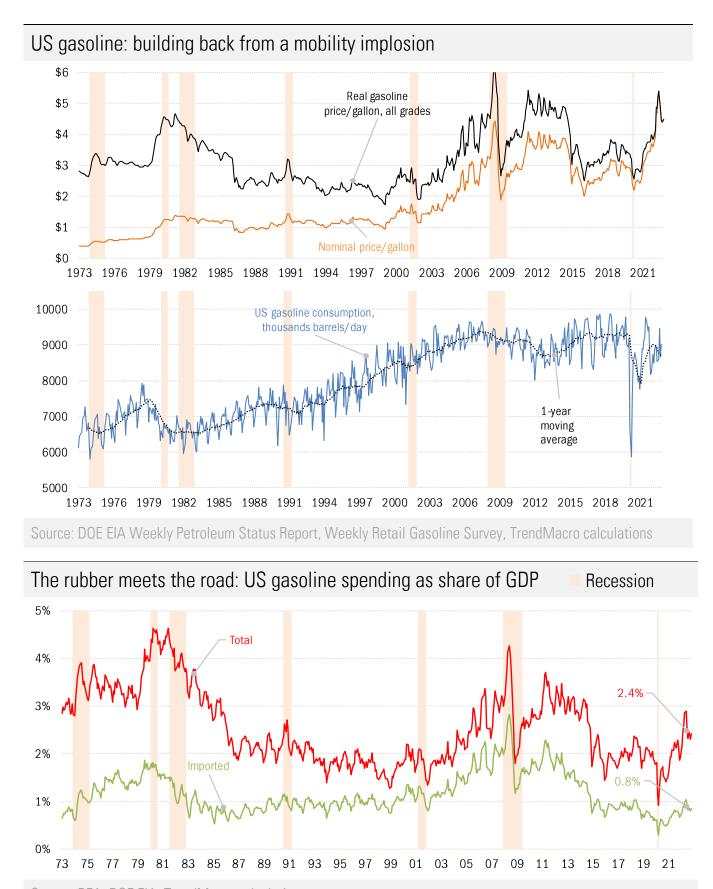


Source: Bloomberg News, TrendMacro calculations





Source: DOE EIA Short Term Energy Outlook, TrendMacro calculations



Source: BEA, DOE EIA, TrendMacro calculations

