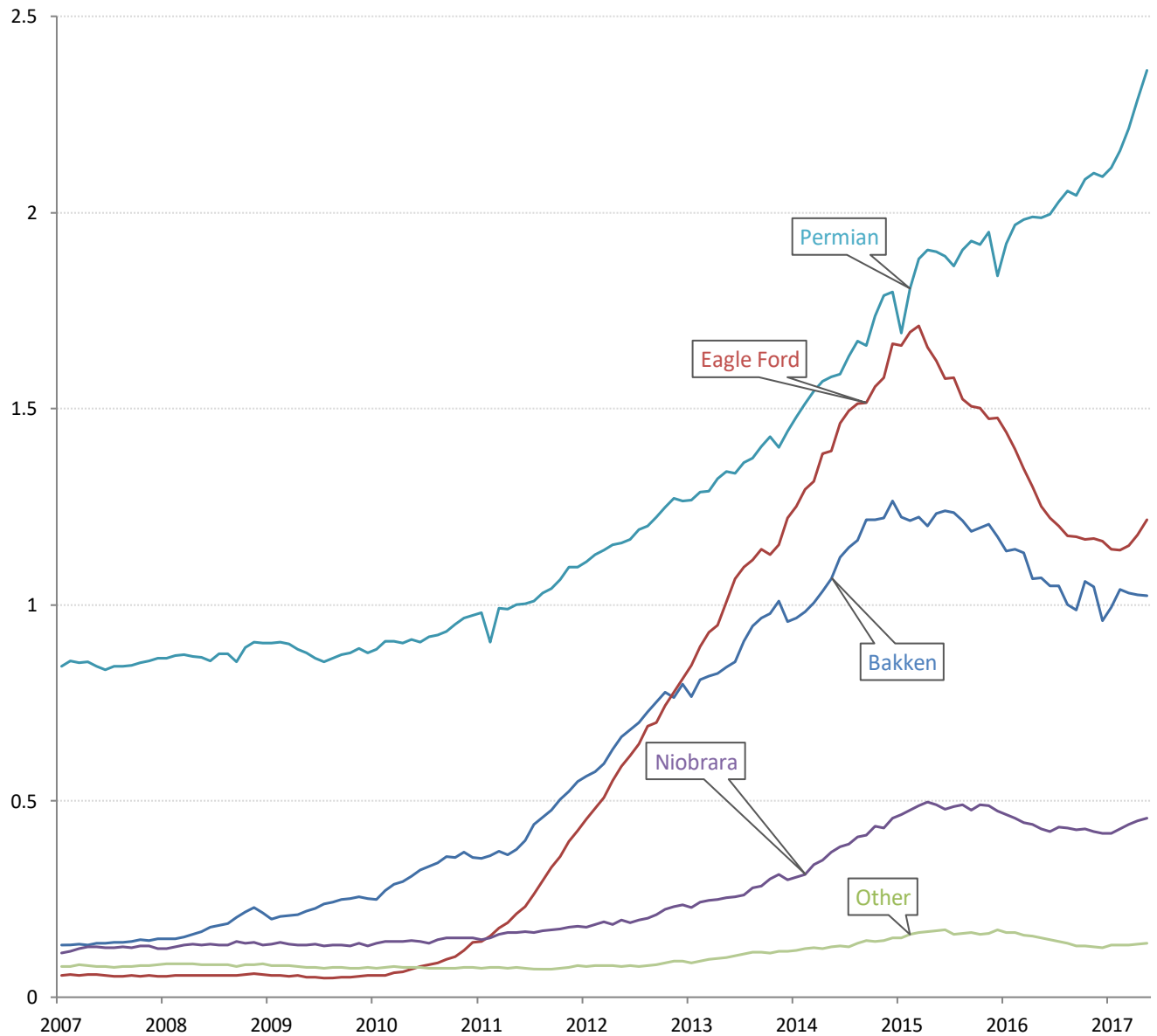


Data Insights: Oil

Monday, April 17, 2017

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

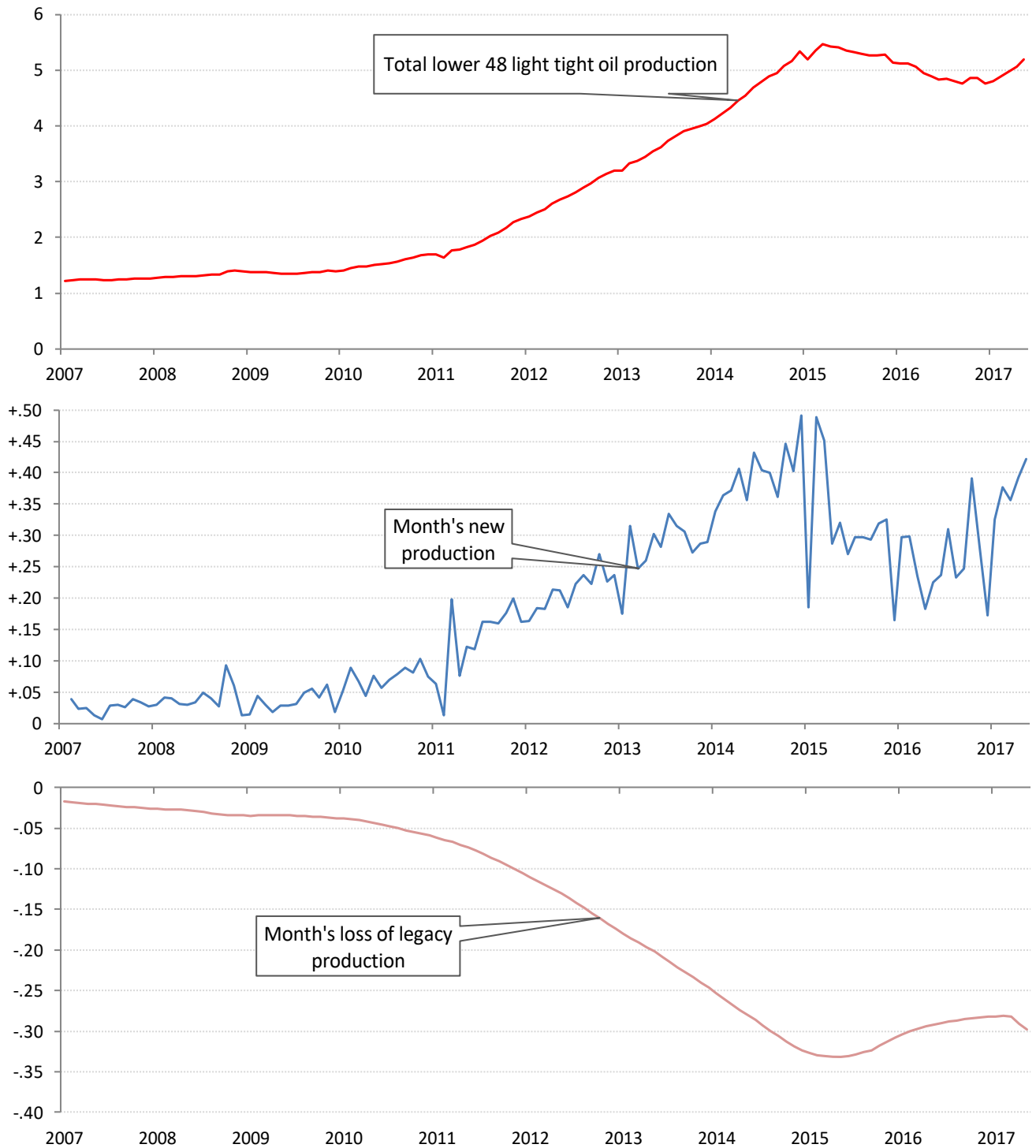


Source:DOE EIA Drilling Productivity Report, TrendMacro calculations

Copyright 2017 Trend Macrolytics LLC. All rights reserved. This document is not to be forwarded to individuals or organizations not authorized by Trend Macrolytics LLC to receive it. For information purposes only; not to be deemed to be recommendations for buying or selling specific securities or to constitute personalized investment advice. Derived from sources deemed to be reliable, but no warranty is made as to accuracy.

Inside the rollover: depleting legacy, diminishing new production

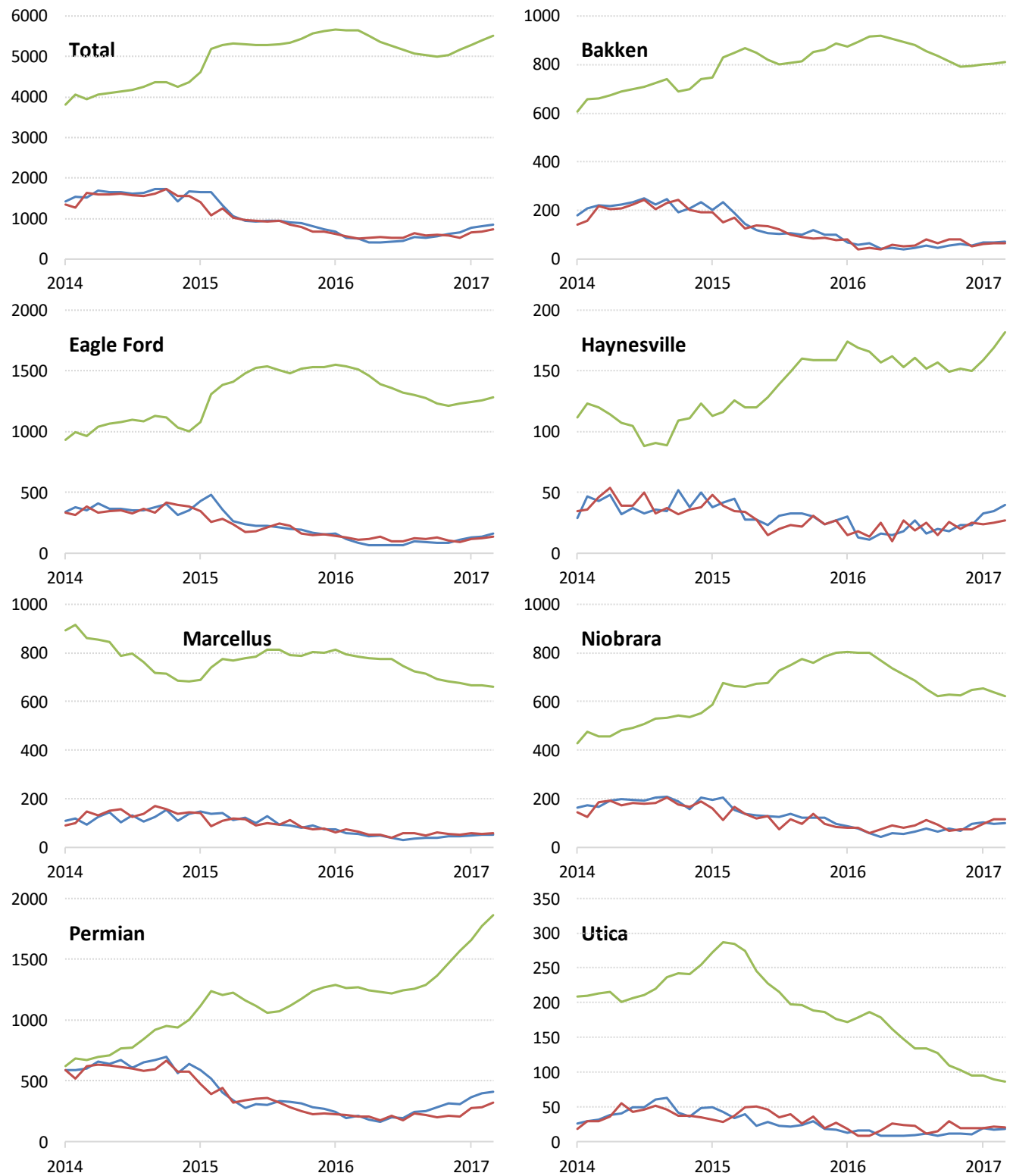
Aggregate production in major US shale plays, millions of barrels/day



Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

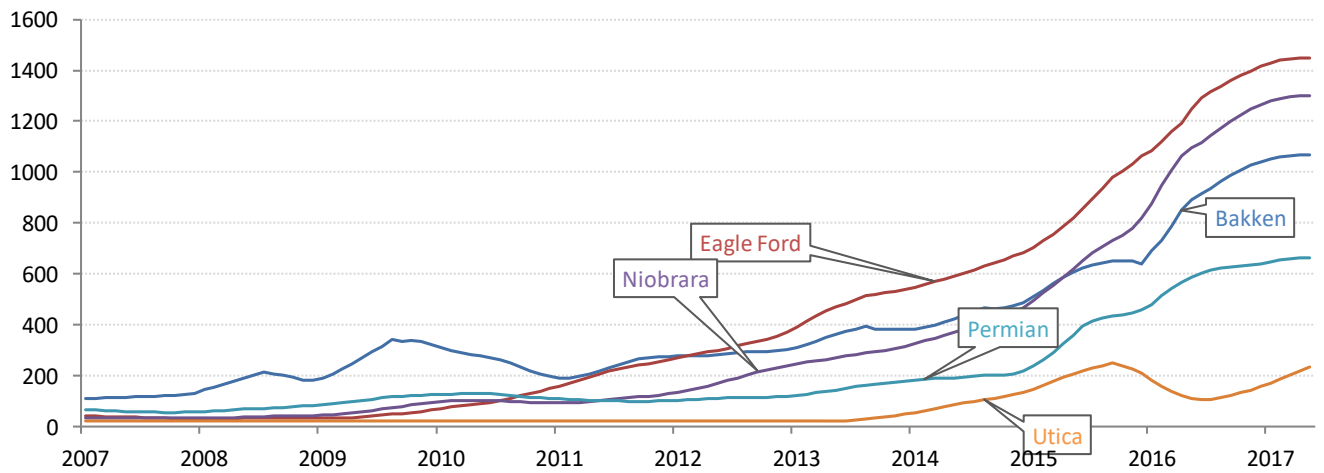
Low fracking fruit: the inventory of drilled but uncompleted wells (DUC)

Wells: — Drilled — Completed — Drilled but uncompleted



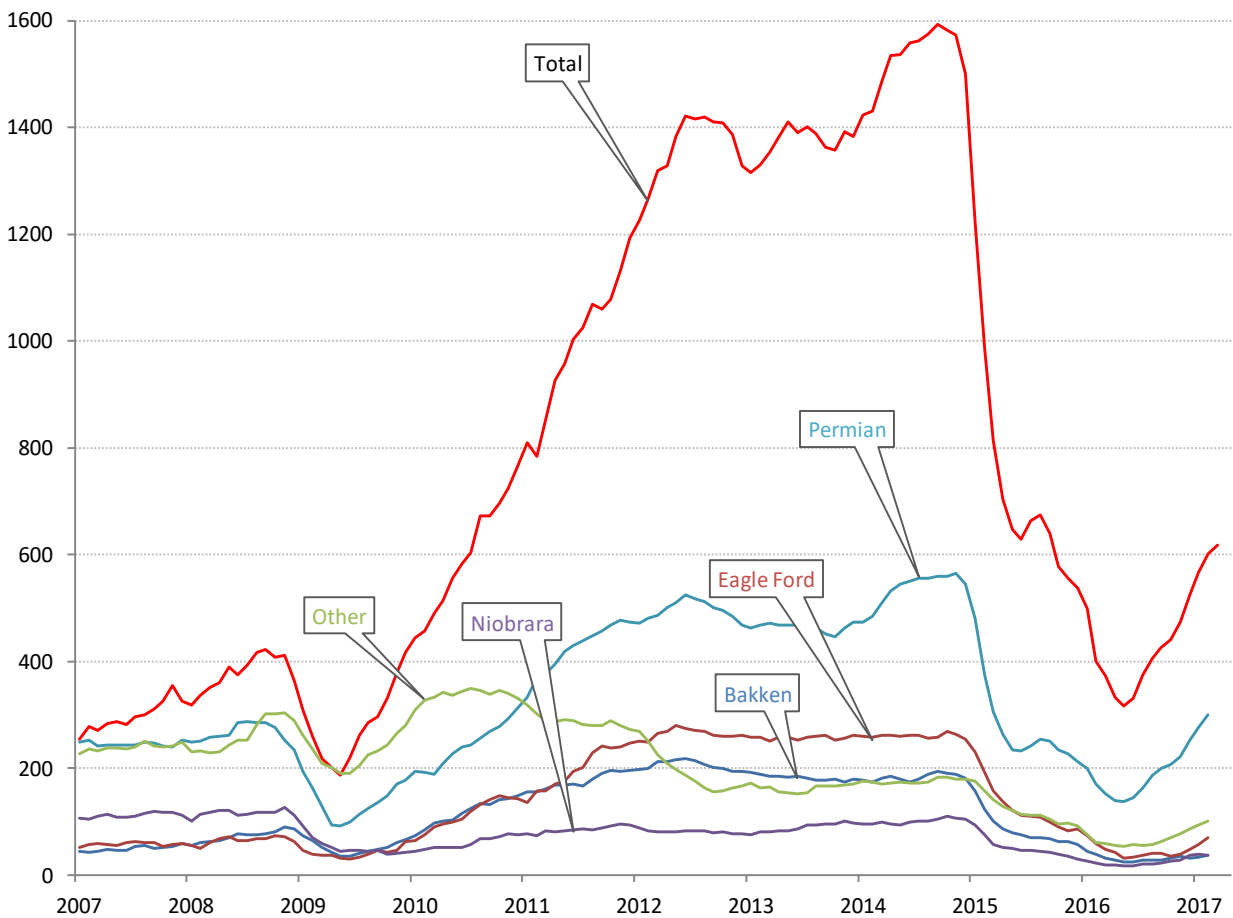
Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

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



Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

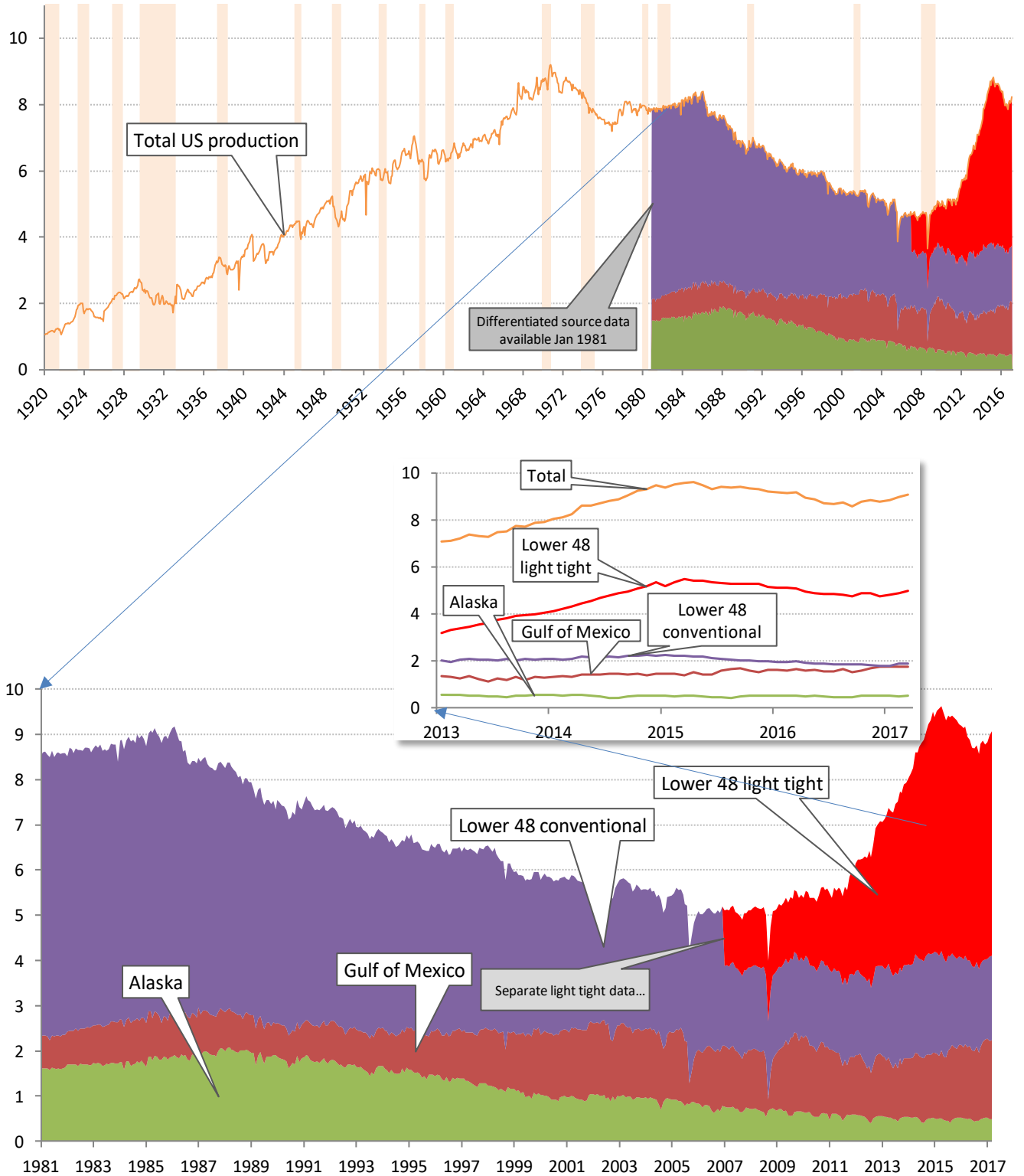
...with a lot less Rig count, total oil and major US shale plays



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

US crude oil production -- deep history, and the modern transformation of sources

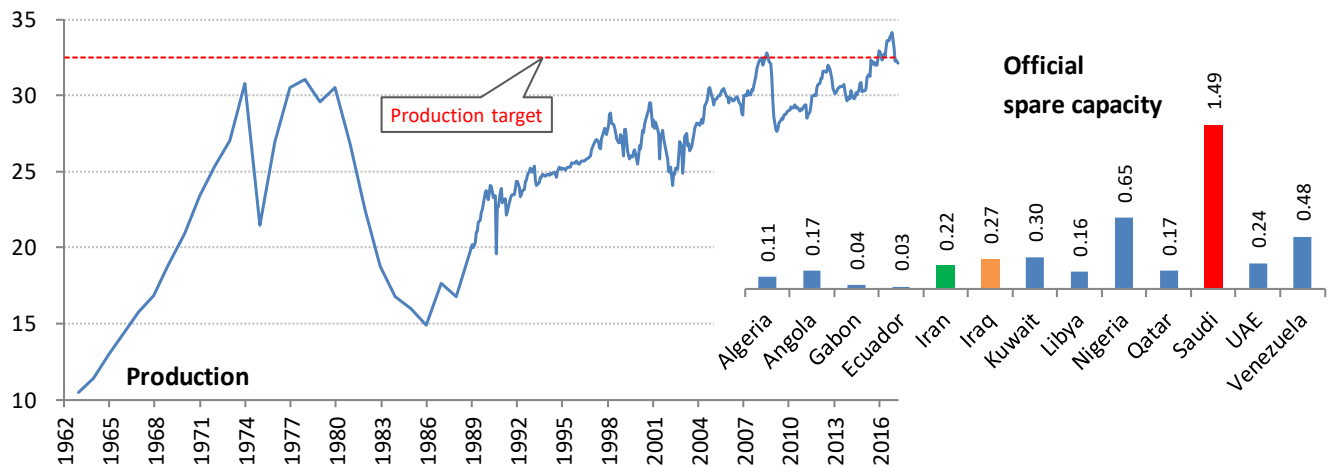
Millions of barrels/day ■ Recession



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

OPEC: what it's producing, what's left to produce

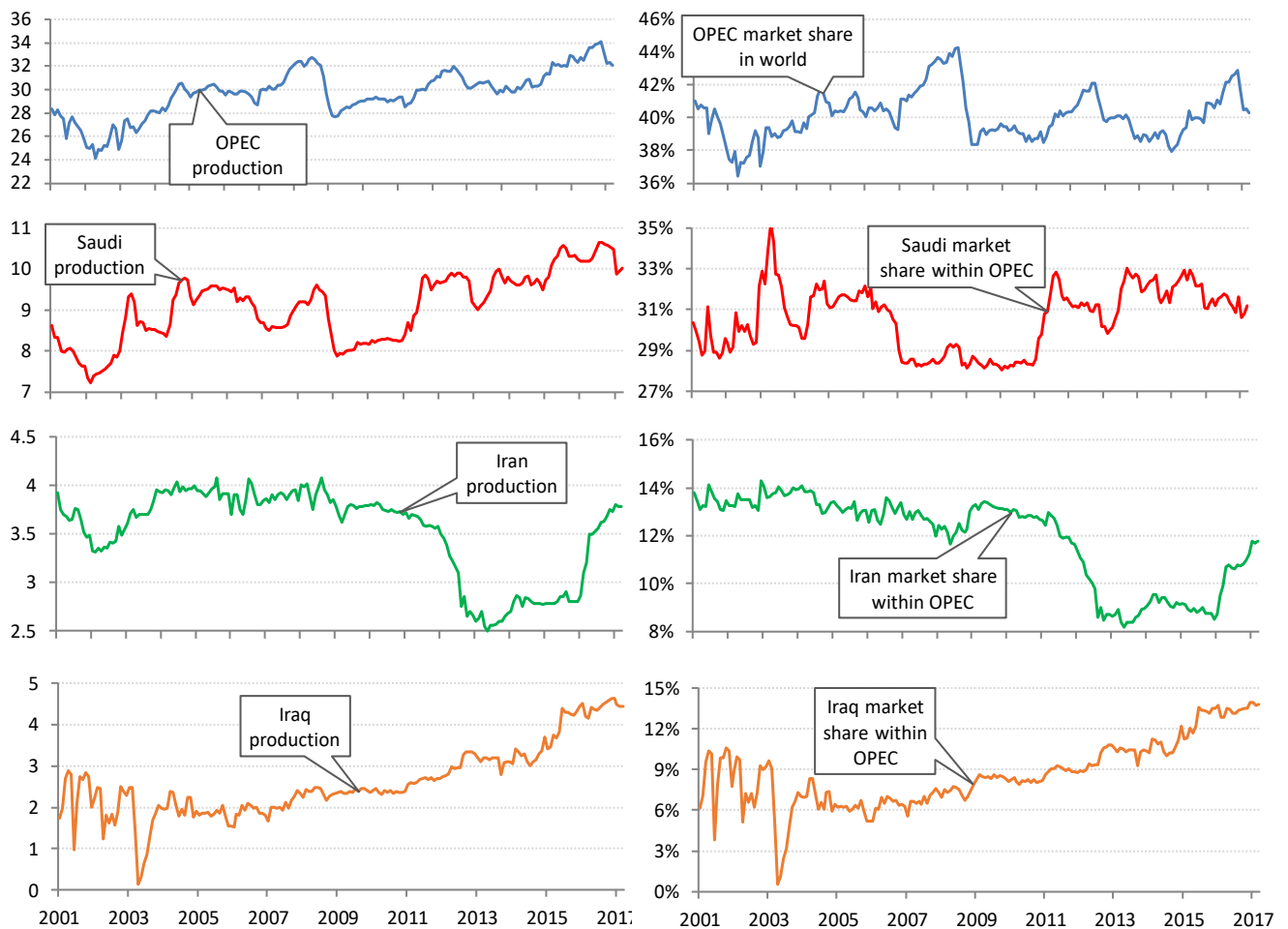
Millions of barrels/day



Source: Bloomberg News, TrendMacro calculations

OPEC's battle for market share

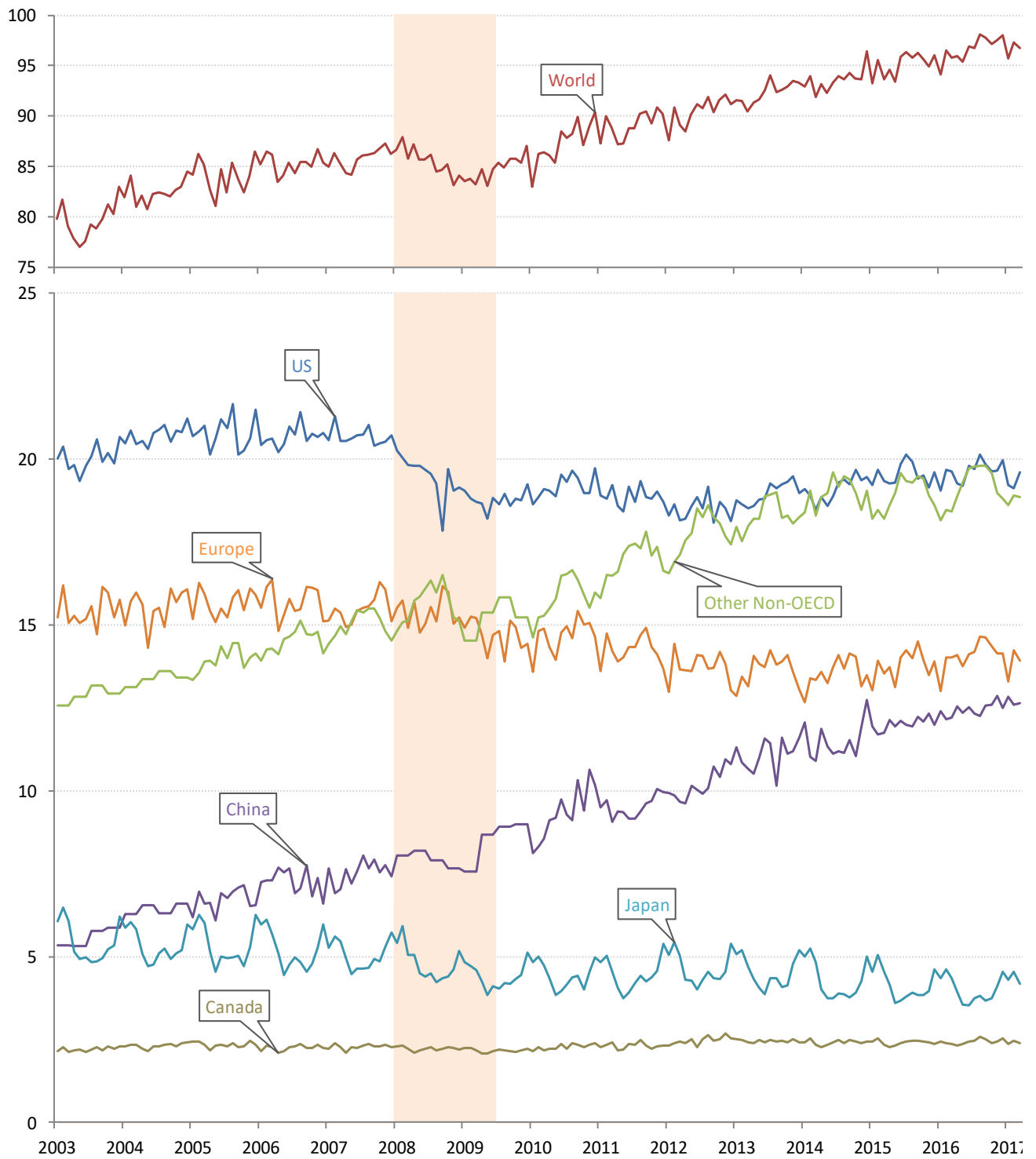
Millions of barrels/day



Source: Bloomberg News, TrendMacro calculations

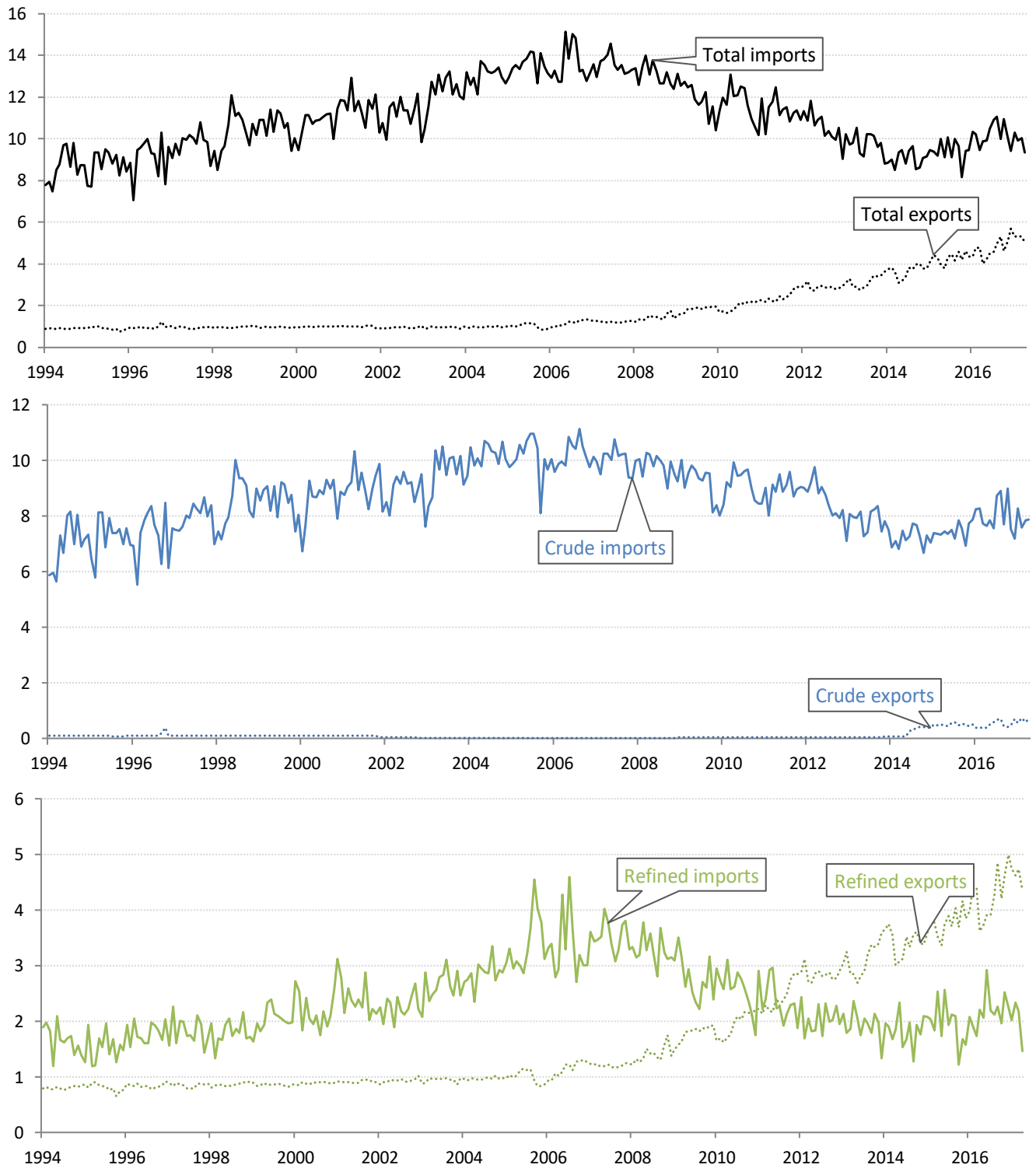
The world of oil consumption Millions of barrels/day

Recession



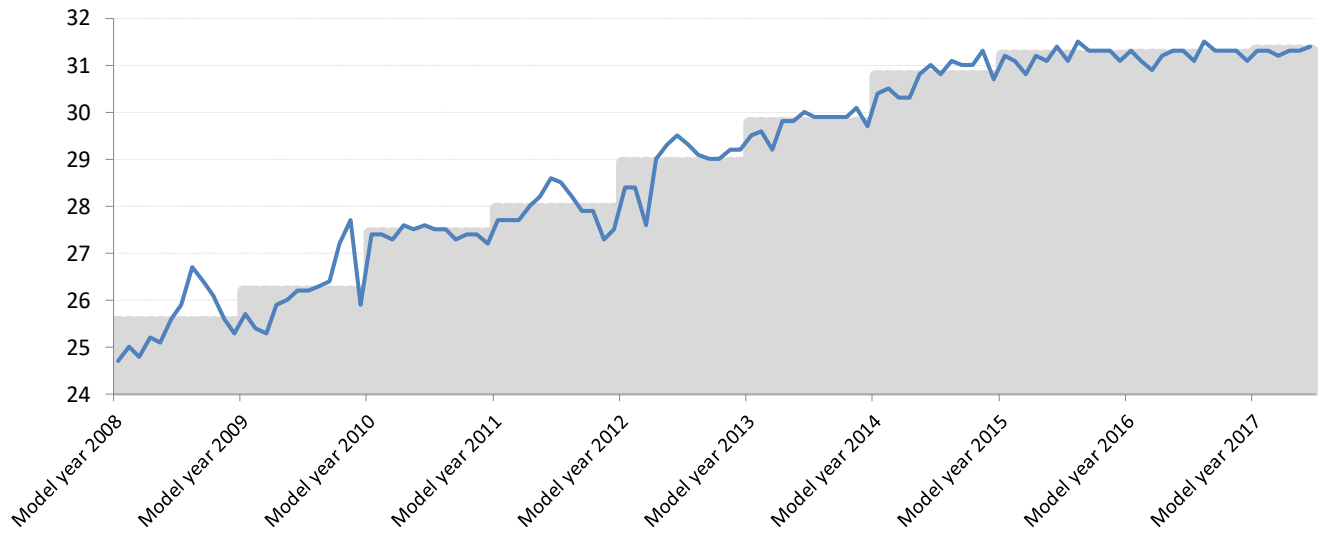
Source: DOE EIA Short Term Energy Outlook, TrendMacro calculations

US petroleum imports and exports Millions of barrels/day



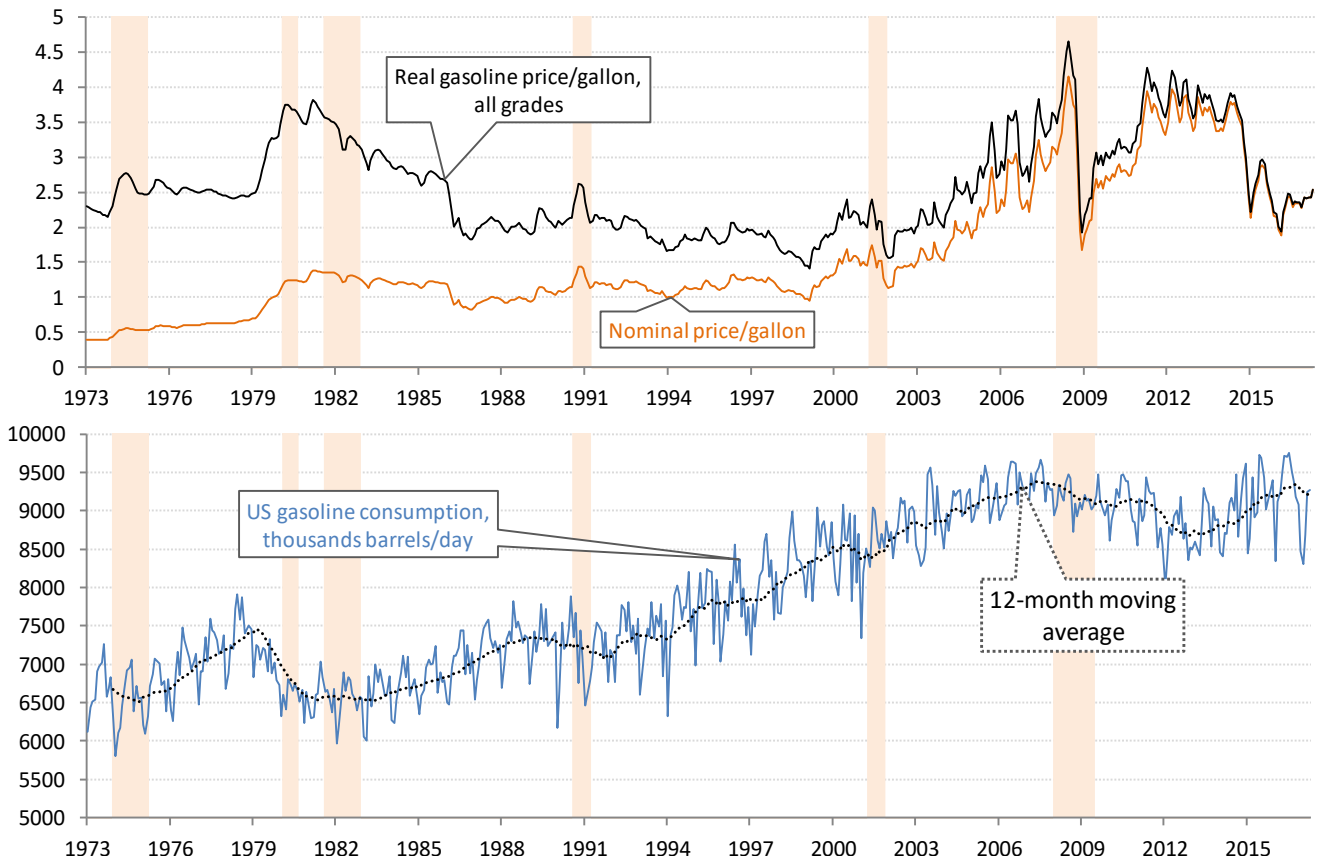
Source: DOE Weekly Petroleum Status Report, TrendMacro calculations

Guzzle that gas! New-car fleet fuel-efficiency by MPG



Source: University of Michigan, TrendMacro calculations

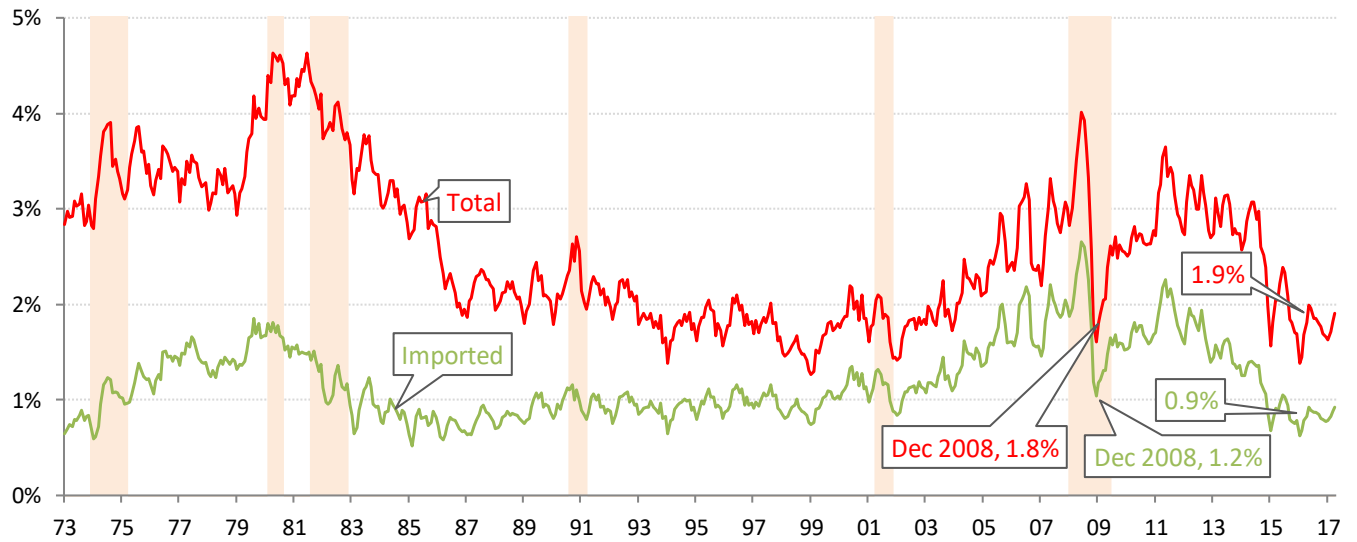
US gasoline: paying a lot, using a lot



Source: DOE EIA Weekly Petroleum Status Report, Weekly Retail Gasoline Survey, TrendMacro calculations

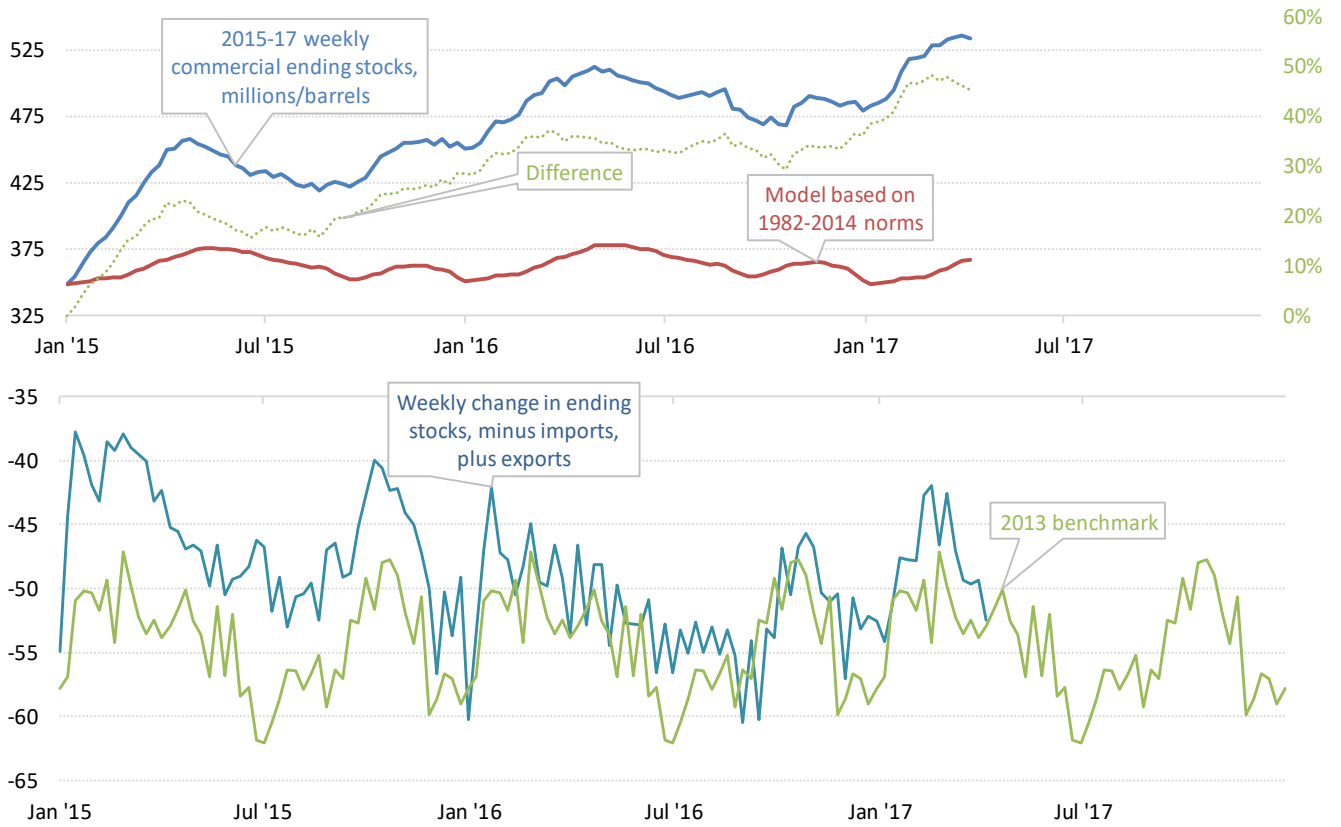
The rubber meets the road: US gasoline spending as share of GDP

Recession



Source: BEA, DOE EIA, TrendMacro calculations

The mirror of apparent demand: US storage dynamics



Source: DOE EIA Weekly Petroleum Status Report, TrendMacro calculations