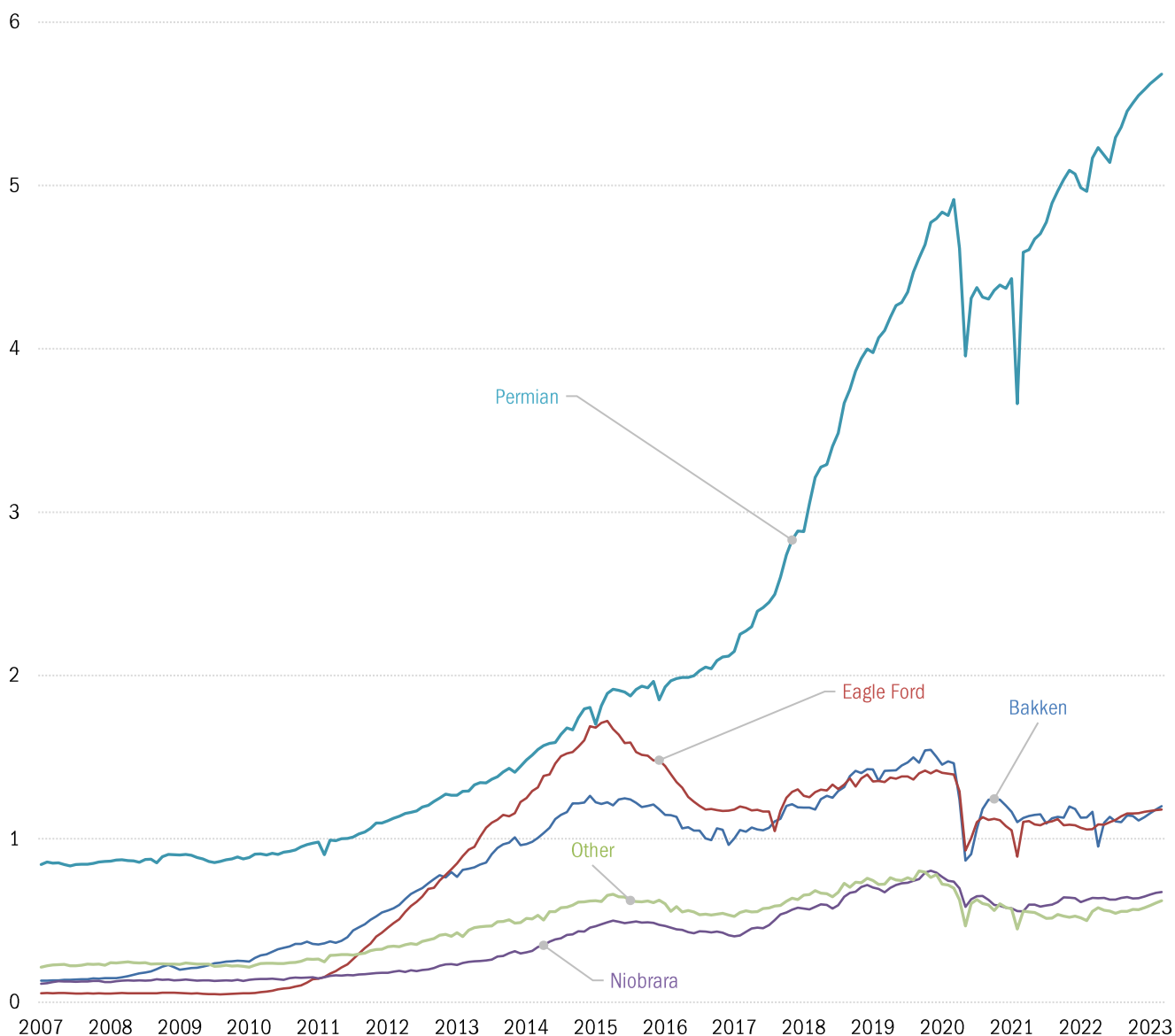


Data Insights: Oil

Monday, February 13, 2022

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

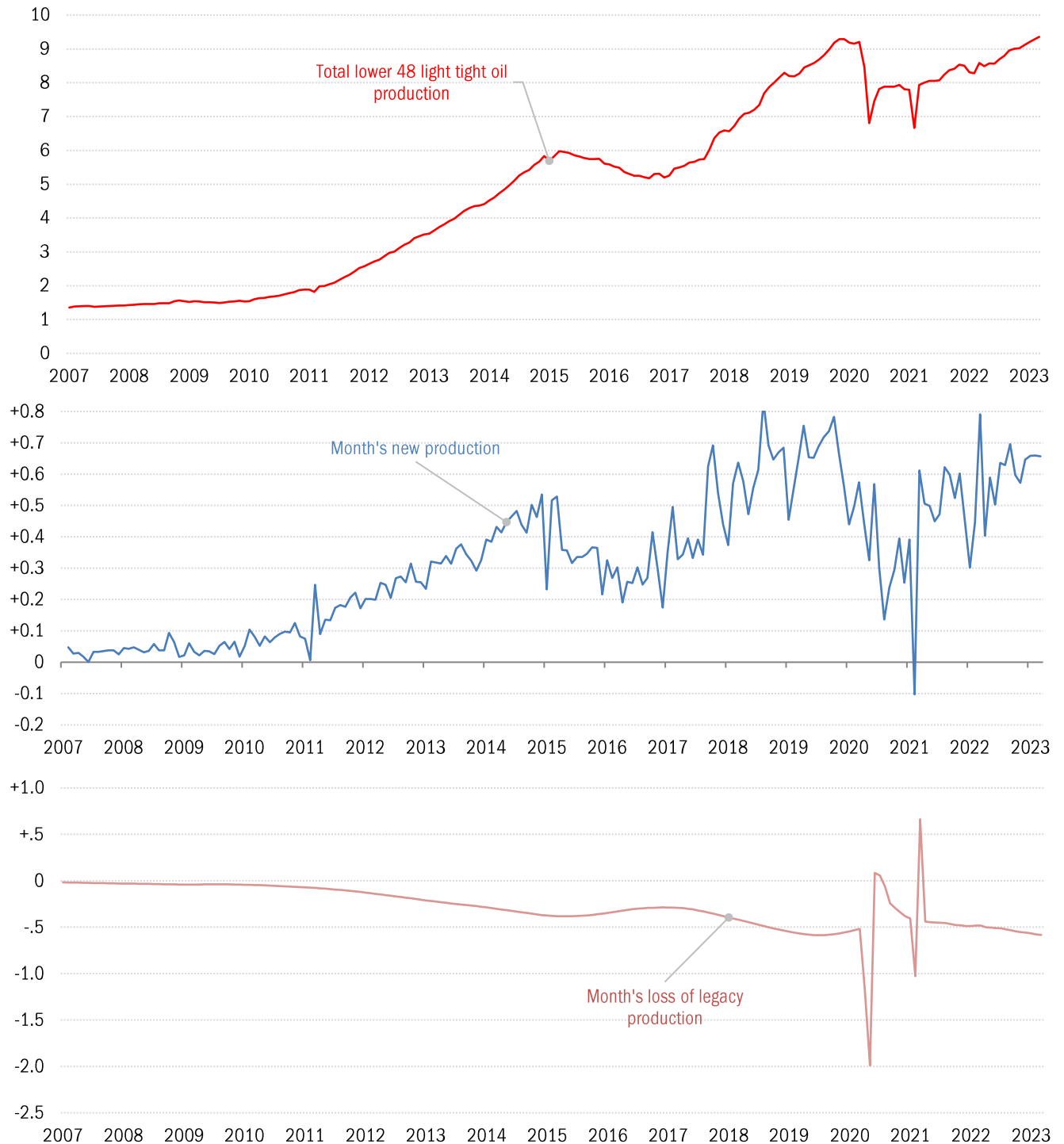


Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

Copyright 2023 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.

Sustaining the revolution: the arms-race with the shale decline-curve

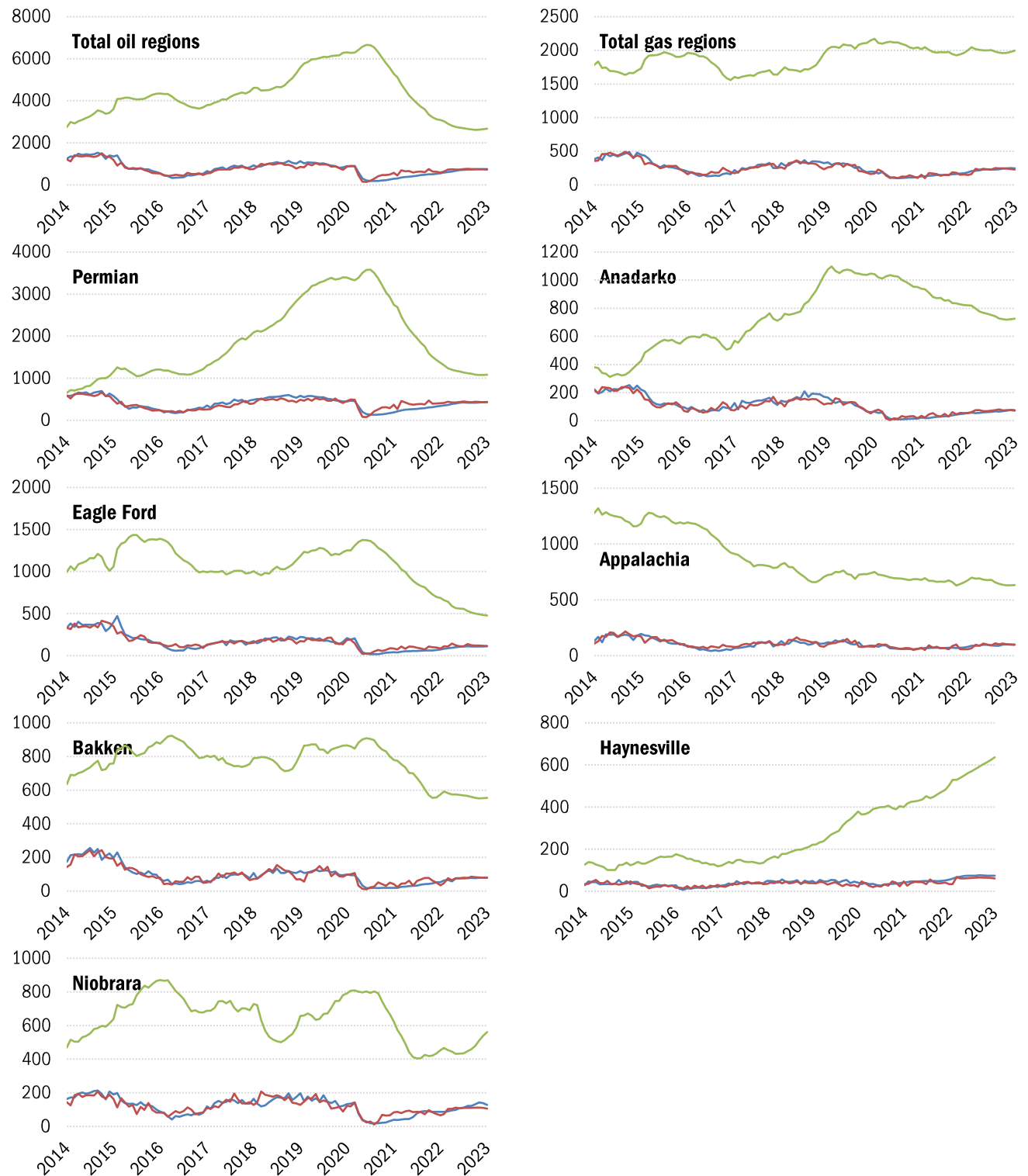
Aggregate production in major US shale plays, millions of barrels/day



Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

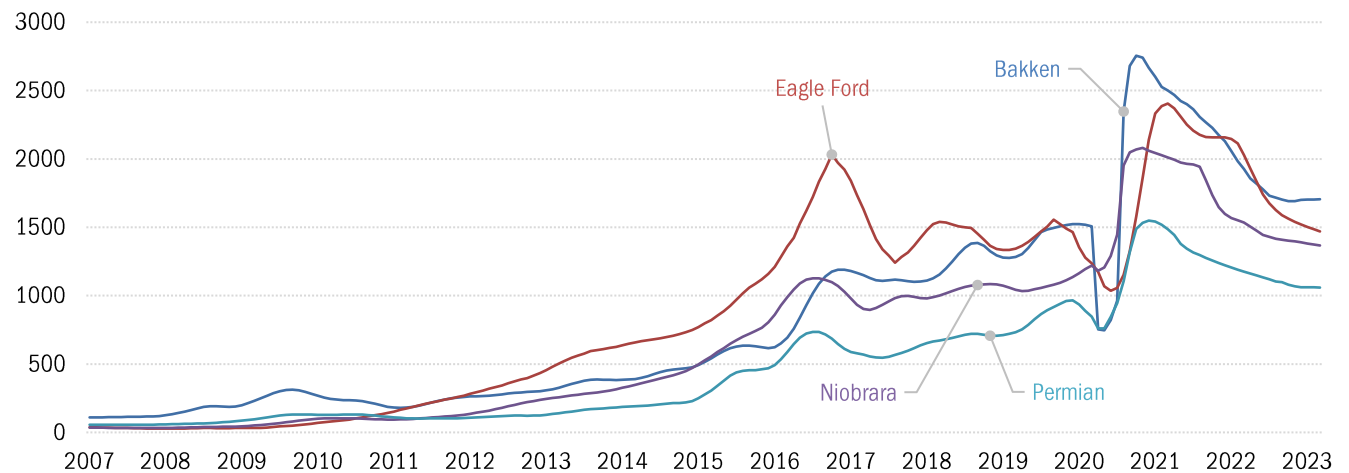
Low fracking fruit: the inventory of drilled but uncompleted wells (DUC)

Wells: — Drilled — Completed — Drilled but uncompleted



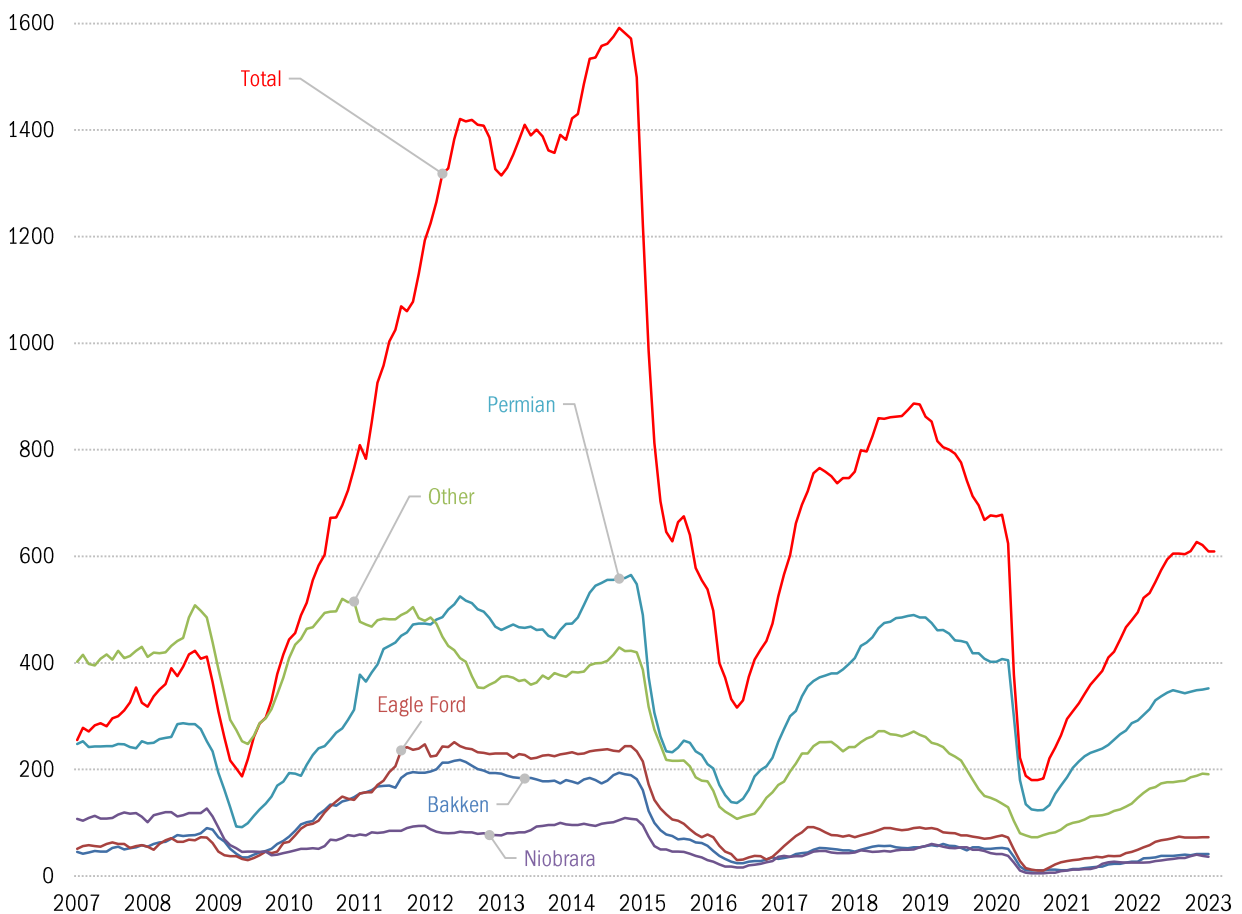
Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

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



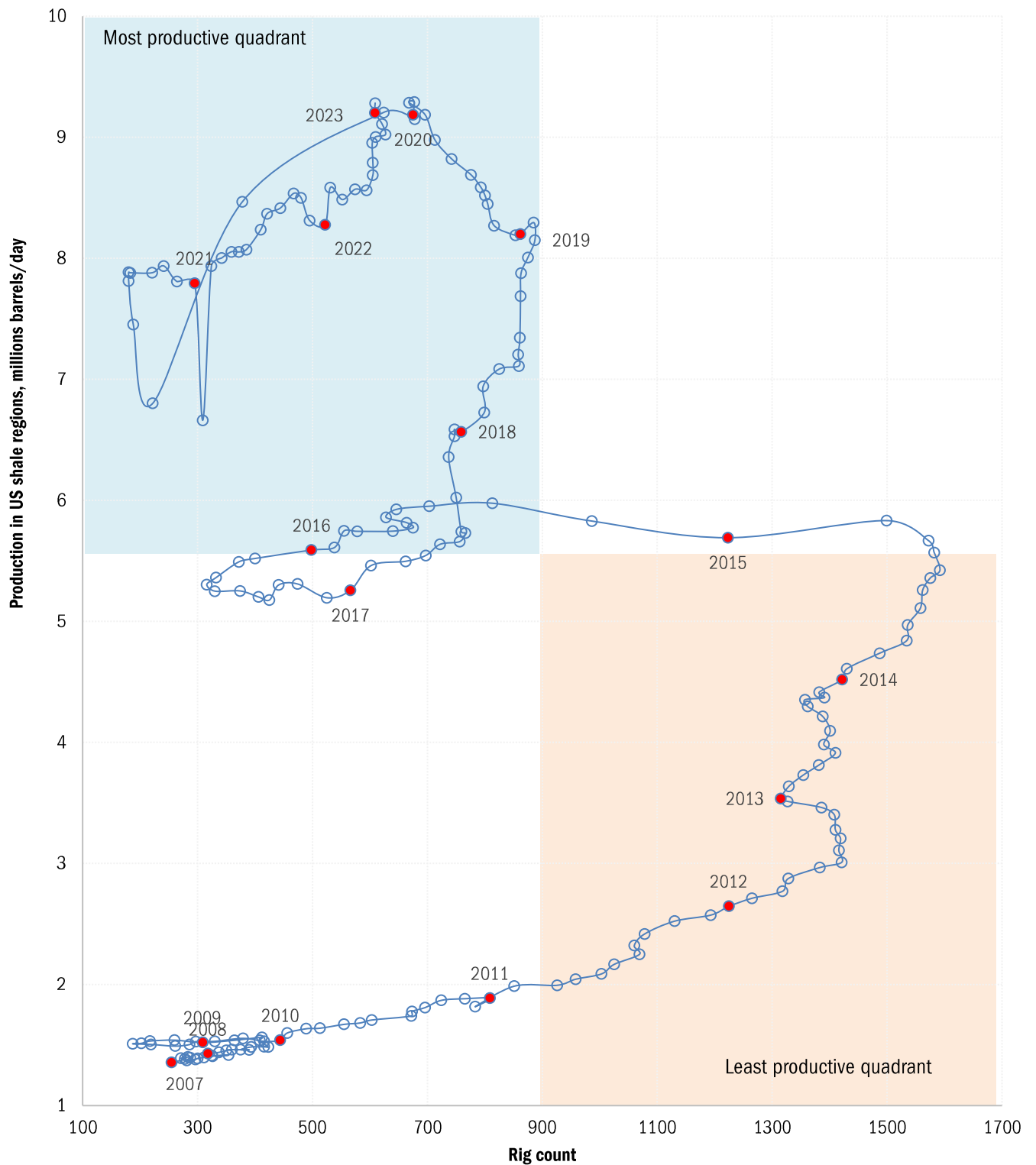
Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

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



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

Flooding the productivity zone

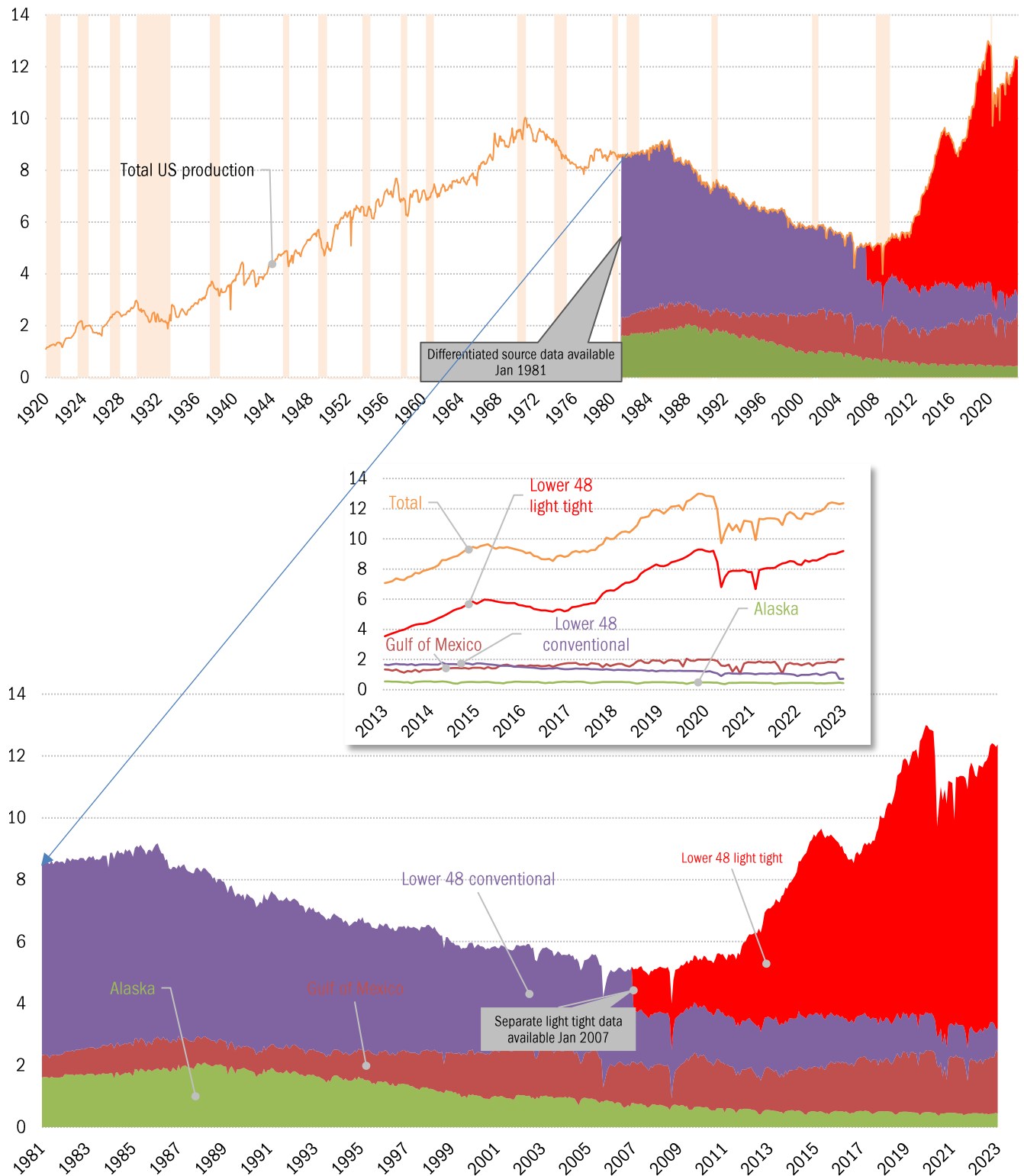


Source: DOE EIA Drilling Productivity Report, TrendMacro calculations

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

Millions of barrels/day

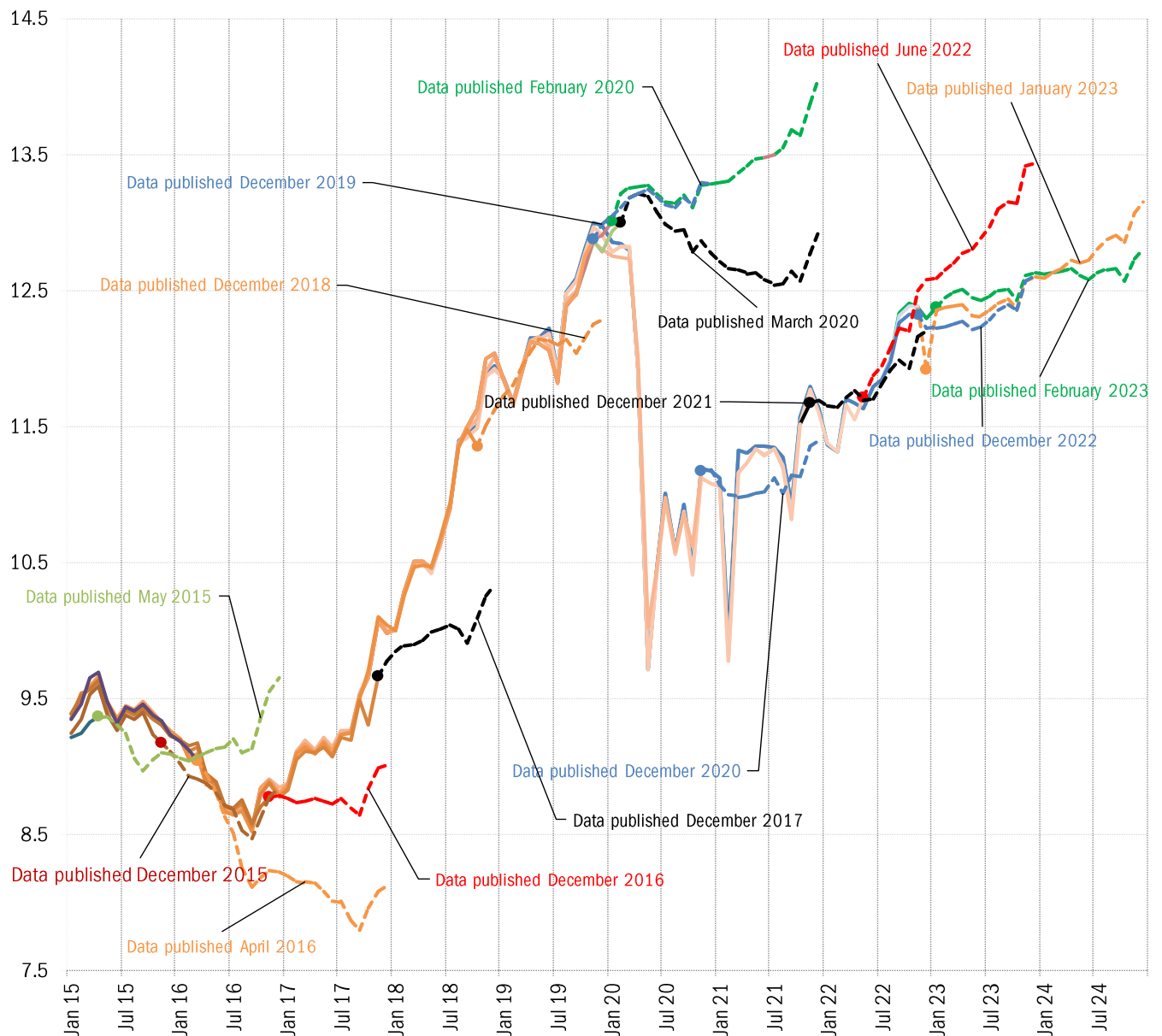
Recession



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

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

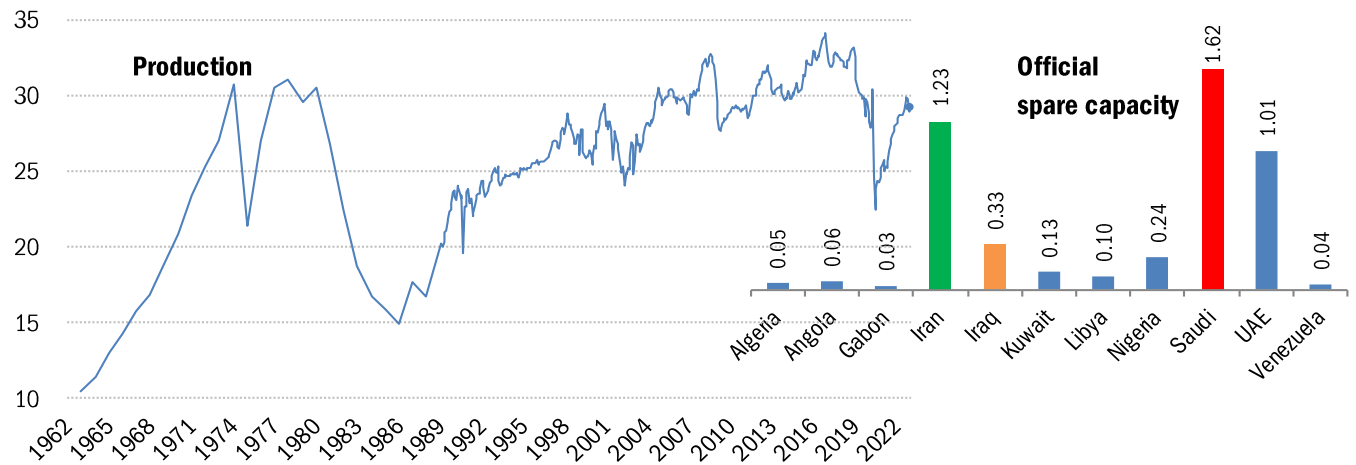
Millions of barrels/day — Actual - - - Forecast



Source: DOE EIA Short Term Energy Outlook, TrendMacro calculations

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

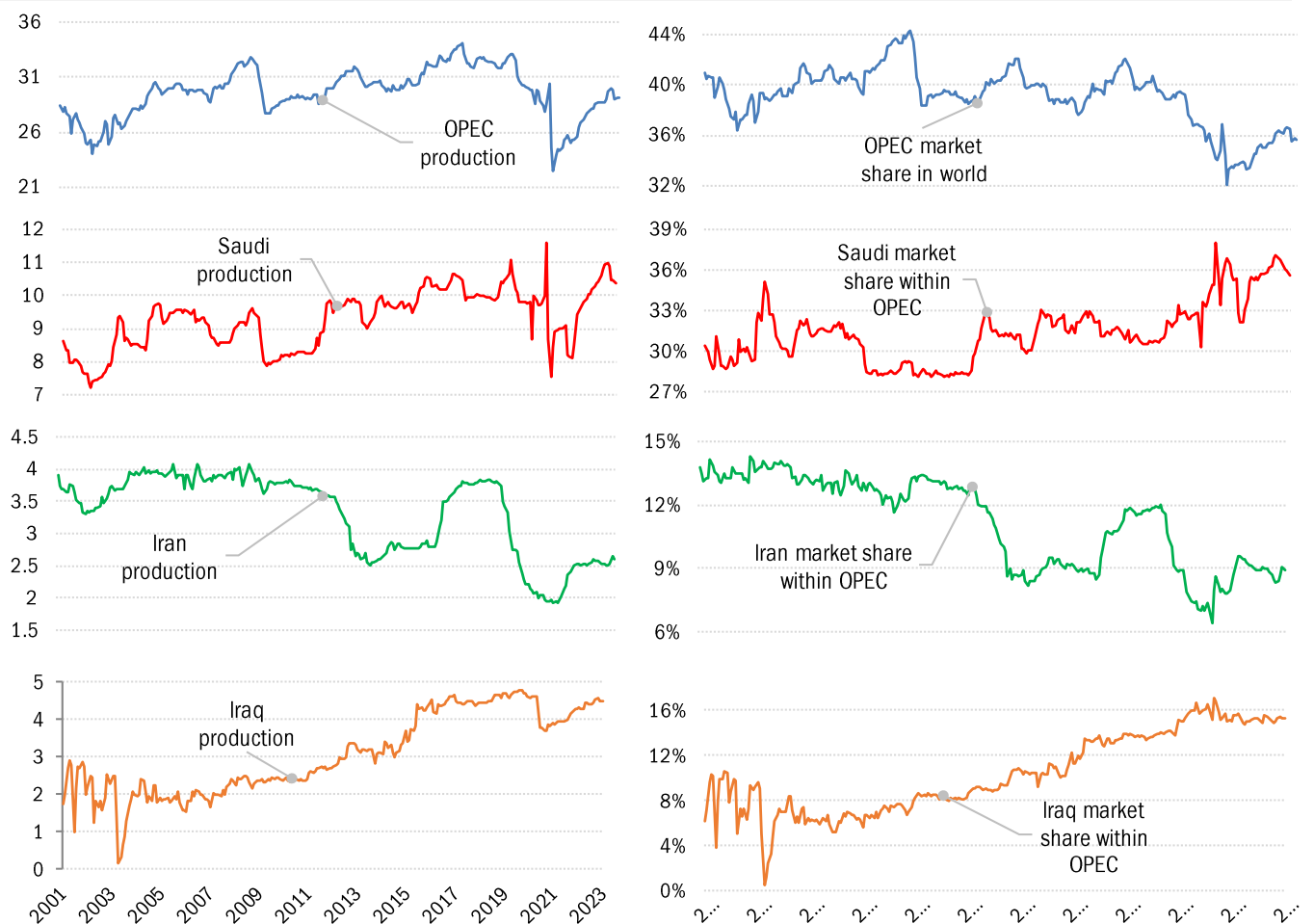
Millions of barrels/day



Source: Bloomberg News, TrendMacro calculations

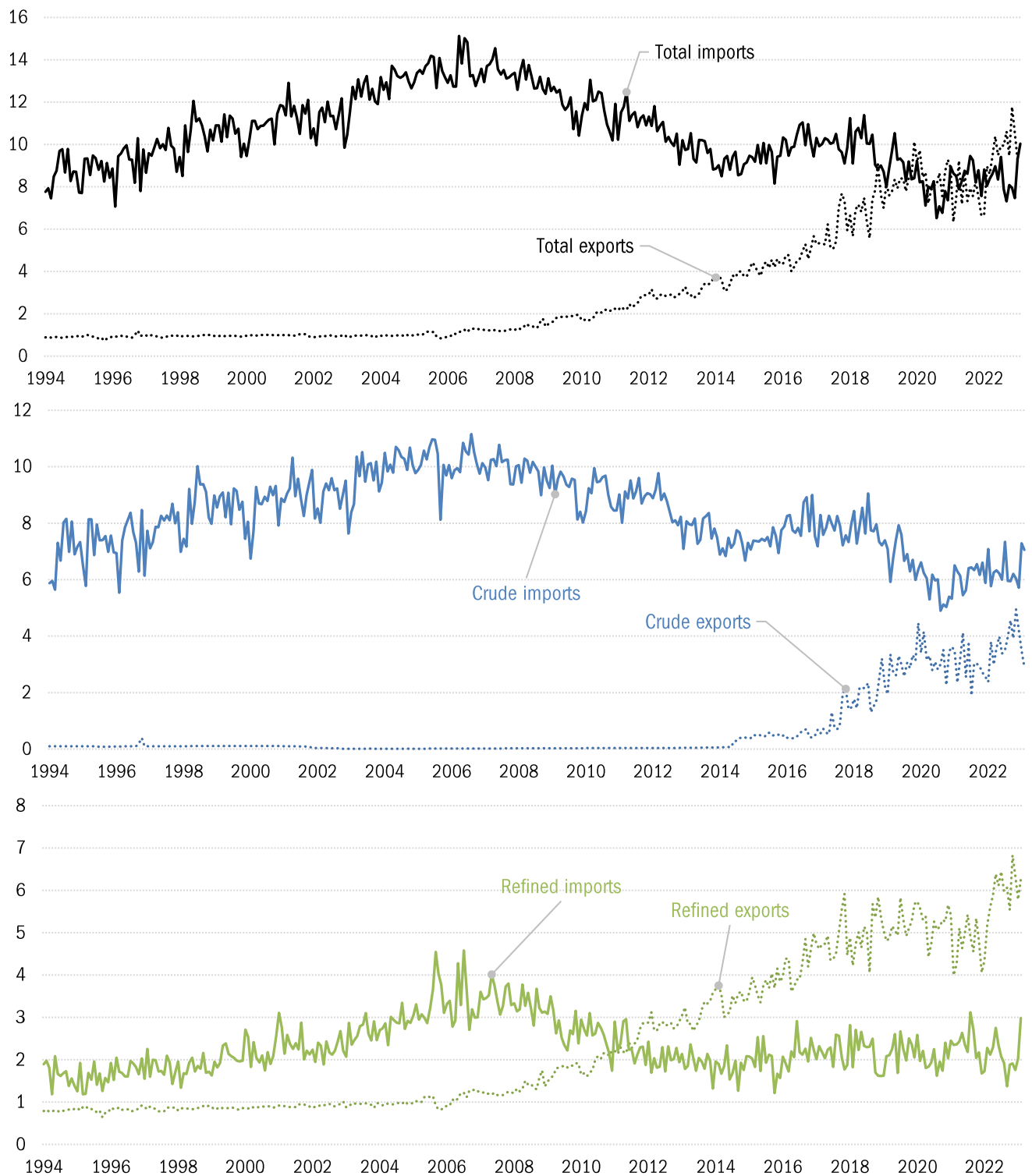
OPEC's battle for market share

Millions of barrels/day



Source: Bloomberg News, TrendMacro calculations

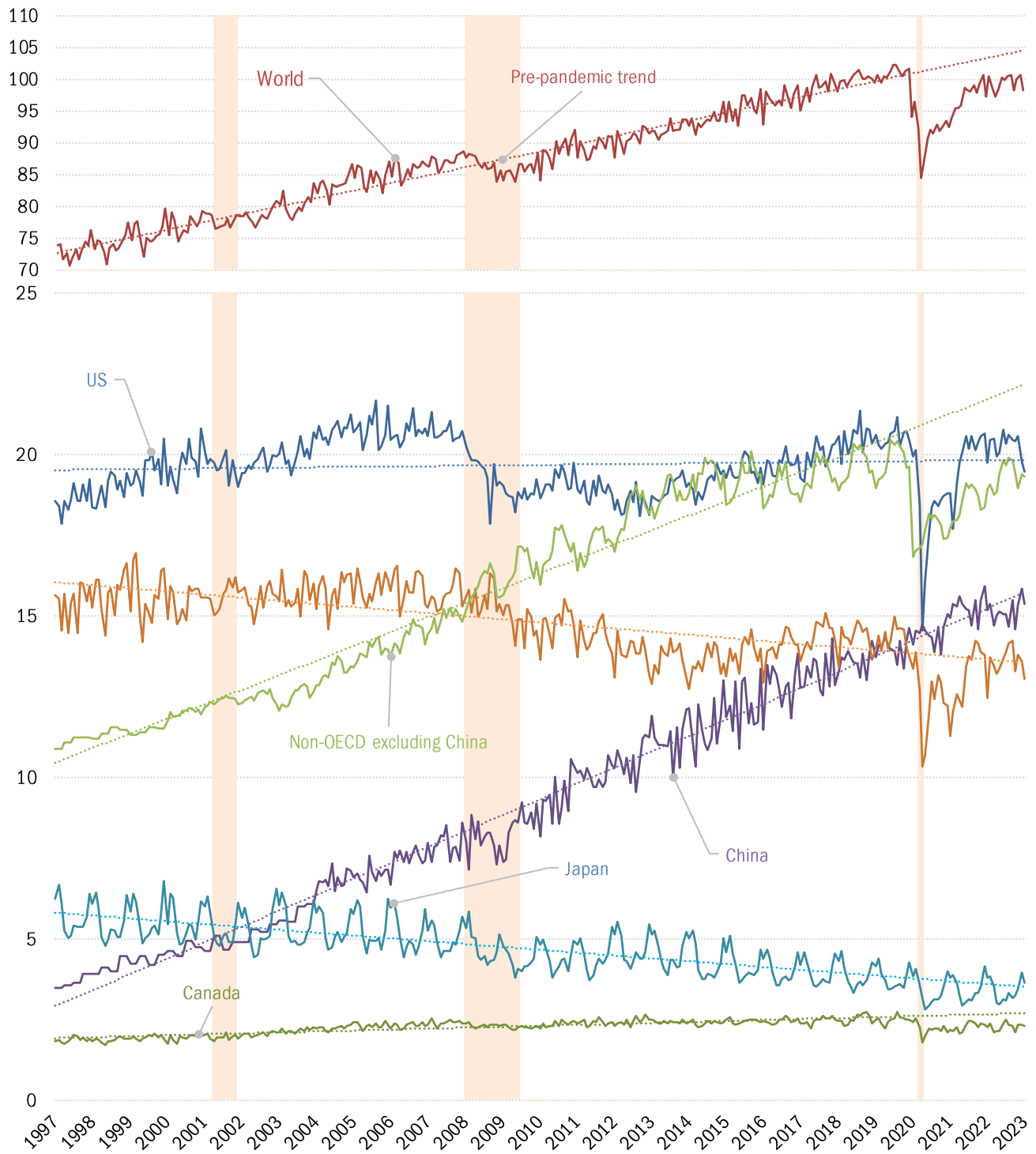
US petroleum imports and exports Millions of barrels/day



Source: DOE Weekly Petroleum Status Report, TrendMacro calculations

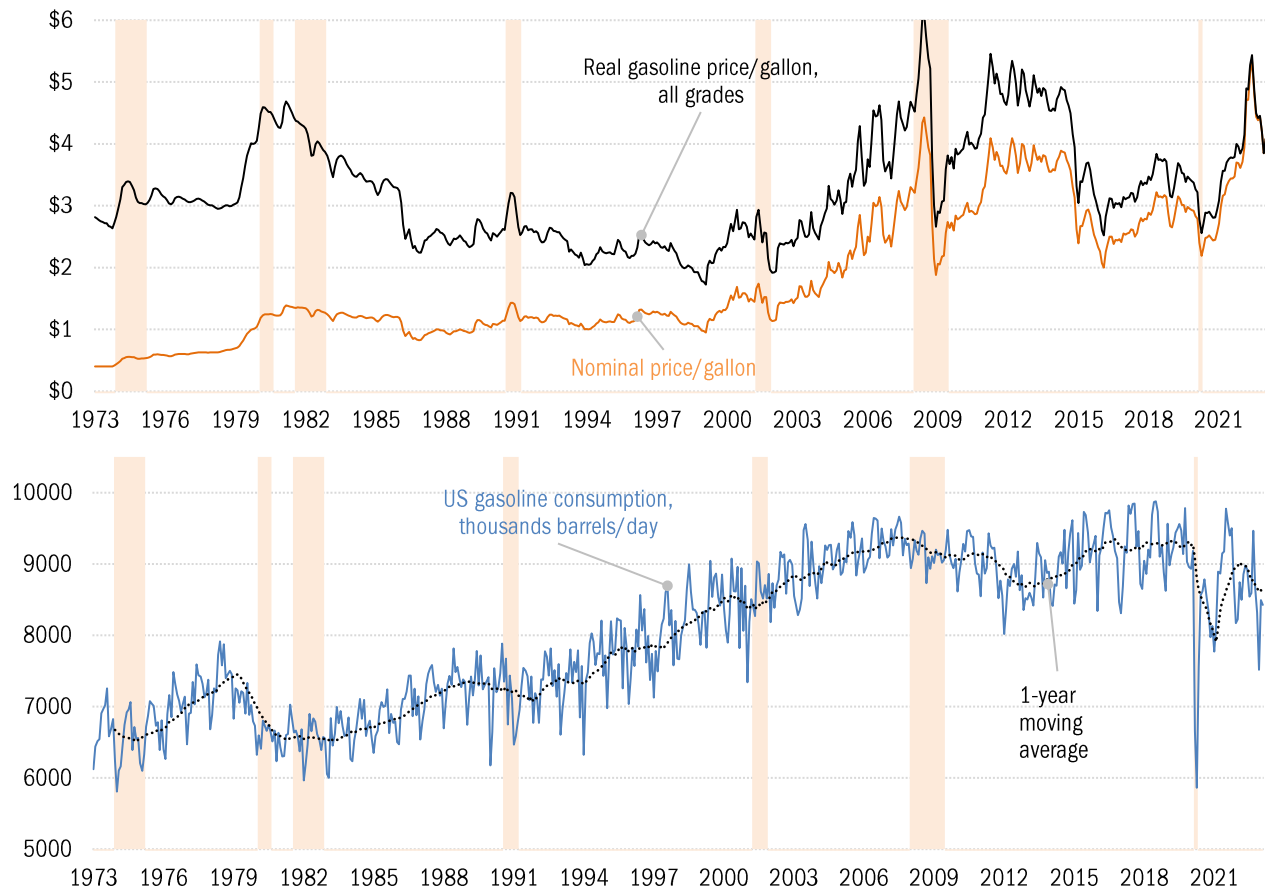
The world of oil consumption Millions of barrels/day

Recession



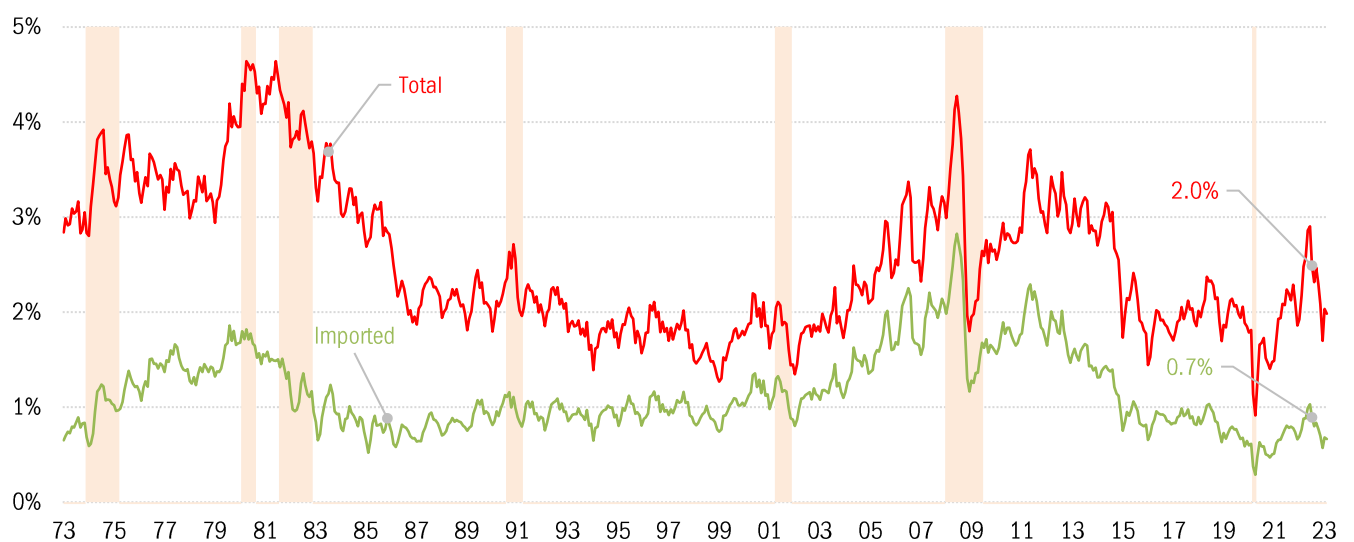
Source: DOE EIA Short Term Energy Outlook, TrendMacro calculations

US gasoline: building back from a mobility implosion



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

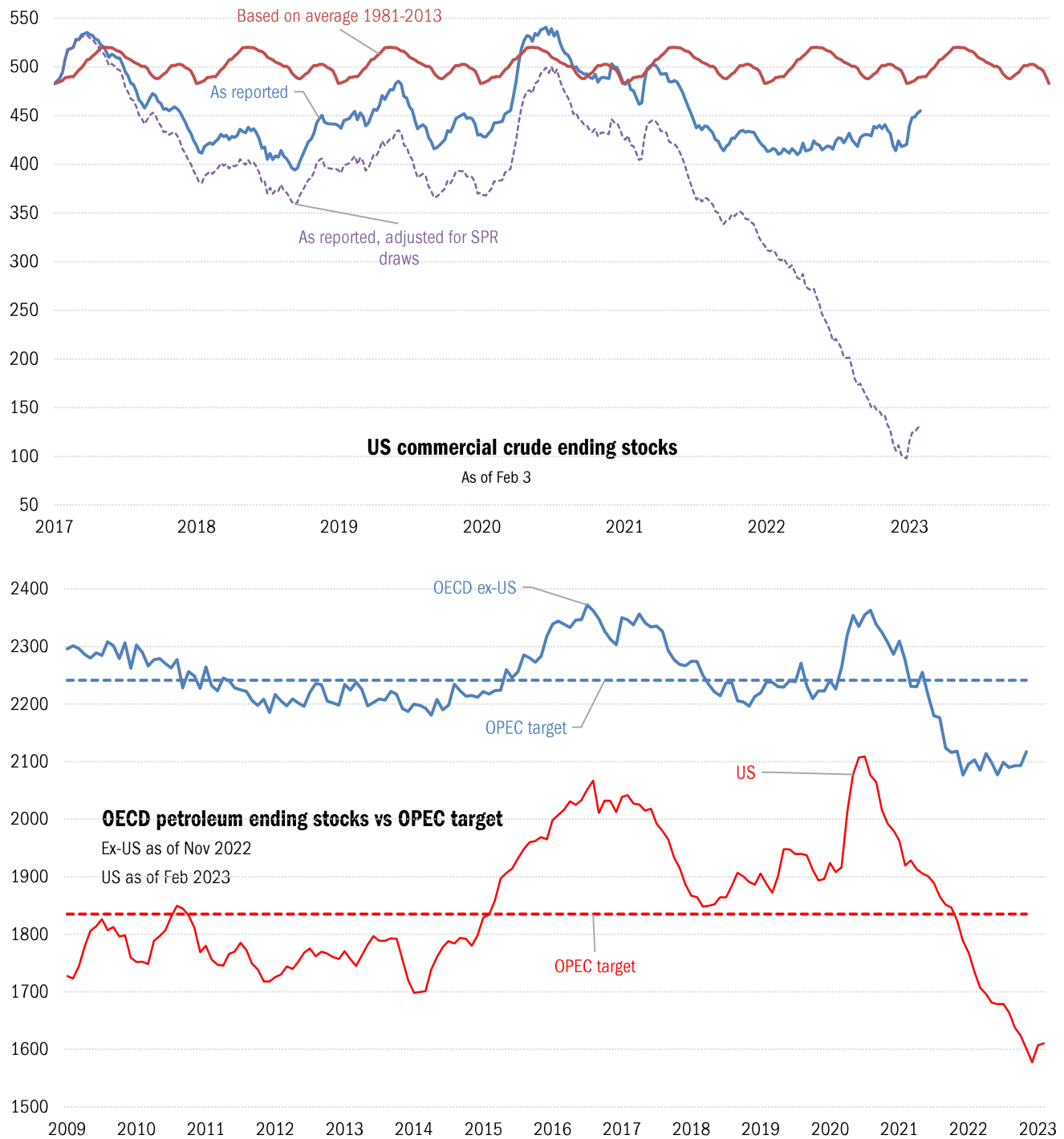
The rubber meets the road: US gasoline spending as share of GDP



Source: BEA, DOE EIA, TrendMacro calculations

The mirror of apparent demand: long-term storage dynamics

Millions barrels



Source: DOE EIA Weekly Petroleum Status Report, JODI, TrendMacro calculations