

U.S. Federal Oil & Gas Production Analysis (2015–2025)

Project Summary

This one-page case study summarizes an analysis of monthly U.S. federal oil and gas production using official ONRR OGOR-B data. The project emphasizes analytically honest data modeling, policy-relevant structure, and clear separation between physical production and reported disposition records.

Data Source

U.S. Department of the Interior – Office of Natural Resources Revenue (ONRR)

Coverage: Federal lands and federal offshore waters

Time Span: January 2015 – September 2025

Frequency: Monthly | License: Public Domain (CC0)

Analytical Approach

- Oil (barrels) and gas (Mcf) analyzed separately to prevent unit distortion
- Onshore and offshore production treated as distinct structural categories
- Commodity-safe DAX measures and year-over-year growth logic implemented
- Disposition data analyzed as reported accounting categories, not additive production

Key Insights

- Federal production is highly concentrated by state and offshore region
- The Gulf of Mexico dominates offshore federal production
- Onshore vs offshore production shares have shifted over time
- Disposition trends highlight monetization and accounting patterns

Tools

Power BI, DAX, Public U.S. Government Data