

# Weld County Oil & Gas Update April 2018

Active Wells, Drilling Permits,  
Production, Rig Count, Trends

# CRUDE OIL PRODUCTION

**Weld County #1 Oil Producing County  
with 91% of Colorado's Oil Production!**

**2017 Record High Colorado & Weld Oil Production = ~130.3 Million BBLs  
with ~91% produced in Weld County (~118.4 Million BBLs)**

2016 Colorado Oil Production = ~116.6 Million BBLs with >89% produced  
in Weld County (~104.1 Million BBLs)

2015 Oil Production = 122.8 Million BBLs with >89% produced in Weld  
County (109.5 Million BBLs).

2014 Oil Production = 95.5 Million BBLs  
with ~86% produced in Weld County (81.6 Million BBLs).

# NATURAL GAS PRODUCTION

**Weld County #1 Natural Gas Producing County in Colorado.  
2017 Record High Production Year.**

**2017 Colorado Natural Gas Production over 1.7 Trillion Cubic Feet  
with ~40% produced in Weld County (~677 Billion Cubic Feet) and 48% of  
Conventional Natural Gas**

2016 Colorado Gas Production ~1.7 Trillion Cubic Ft.  
38% Weld County (47% of Conventional Natural Gas)

2015 Colorado Gas Production ~1.7 Trillion Cubic Feet  
34% Weld County (42% of Conventional Natural Gas)

2014 Colorado Gas Production ~1.6 Trillion Cubic Feet  
24% Weld County (31% of Conventional Natural Gas)

Total Colorado Gas Production includes both Coal Bed Methane (not produced in Weld) and Conventional Natural Gas from COGCC Production Data.

# 23,686 ACTIVE WELLS IN WELD COUNTY

## TOP OIL & GAS PRODUCERS

(BASED ON 2017 WELD PRODUCTION ~IN ORDER OF PRODUCTION)

Operator
ANADARKO/KERR MCGEE ONSHORE LLC
NOBLE ENERGY INC
PDC ENERGY INC
EXTRACTION OIL & GAS LLC
SRC ENERGY INC
CRESTONE PEAK RESOURCES OPERATING LLC
BILL BARRETT CORPORATION
WHITING OIL & GAS CORPORATION
GREAT WESTERN OPERATING COMPANY LLC
BONANZA CREEK ENERGY OPERATING COMPANY LLC
CUB CREEK ENERGY
CARRIZO NIobrara LLC
FIFTH CREEK ENERGY OPERATING CORPORATION

# WELD DRILLING ACTIVITY = 22 Rigs

-vs- ~21 Rigs APR 2017, ~13 Rigs APR 2016

## WELD COUNTY DRILLING ACTIVITY:

First 2 Months of 2018 = 209 (67.5% of 310 Colorado Well Starts)

2017 = 1267 (68% of 1857 Colorado well starts)

2016 = 731 (76% of 968 Colorado well starts)

2015 = 1084 (75% of 1437 Colorado well starts)

2014 = 1560 (70% of 2239 Colorado well starts)

## Current Drilling Rigs Leased by Company Operating in Weld County:

Anadarko/Kerr McGee = 5

PDC Energy = 3

HighPoint = 3

Bayswater = 2

Extraction = 2

SRC Energy = 2

Noble Energy = 1

Crestone Peak = 1

Great Western = 1

Bonanza Creek = 1

EnerPlus = 1

Reflects near term changes (Data gathered from Form 42's and O&G producers). Surface and Work Over Rigs excluded.

# DRILLING PERMITS

2017 Drilling Permits Issued in Weld  
= 2466 (63% of 3909 in CO)

2016 Drilling Permits Issued in Weld  
= 1704 (60% of 2835 in CO)

2015 Drilling Permits Issued in Weld  
= 1841 (62% of 2568 in CO)

2014 Drilling Permits Issued in Weld  
= 2303 (55% of 4190 in CO)

**Permitting Trends:** Horizontal drilling in Weld with longer laterals - permitting of 2 & 2.5 mile laterals becoming more common. Fresh water for completions transported via temporary surface pipelines from source to point of use. Increased instances of moving crude oil from production facilities via pipeline instead of truck. The grouping of horizontal wells on multi-well pads and combining production facilities results in less overall surface impact, albeit with larger individual tank battery locations. Operators are also building and permitting these locations with fewer on-site storage tanks, which decreases the foot print and over-all size (appearance).

# Predictions

Activity dependent on price of crude (WTI) and producers response

<https://www.eia.gov/forecasts/steo/report/prices.cfm>

2014 Ave Crude Oil Price ~\$93/BBL

2015 Ave Crude Oil Price ~\$49/BBL

2016 Ave Crude Oil Price ~\$43/BBL

2017 Ave Crude Oil Price ~\$51/BBL

**2018 Crude Oil Price \$59.37/BBL Current EIA Forecast** (4/10/2018)

U.S. Energy Information Administration's (EIA) Colorado Energy Profile:

<https://www.eia.gov/state/analysis.cfm?sid=CO>

# Questions?

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