FORM 5A Rev 06/12

# State of Colorado
# Oil and Gas Conservation Commission

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Date Received:

## COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 47120
2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP
3. Address: P O BOX 173779
City: DENVER State: CO Zip: 80217-
4. Contact Name: ILA BEALE
Phone: (720) 929-6408
Fax:
Email: ila.beale@anadarko.com

5. API Number 05-123-41902-00
6. County: WELD
7. Well Name: POWERS
Well Number: 13C-22HZ
8. Location: QtrQtr: NENW Section: 22 Township: 2N Range: 65W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

## Completed Interval

FORMATION: CARLILE Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 10784 Bottom: 12477 No. Holes: 288 Hole size: 0.46

Provide a brief summary of the formation treatment: Open Hole: ☐

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): Max pressure during treatment (psi):

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Min frac gradient (psi/ft):

Total acid used in treatment (bbl): Number of staged intervals:

Recycled water used in treatment (bbl): Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): Disposition method for flowback:

Total proppant used (lbs): Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

Calculated 24 hour rate: Bbl oil: Mcf Gas: Bbl H2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

** Bridge Plug Depth: ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

FORMATION: CODELL-CARLILE Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 08/26/2016 End Date: 08/28/2016 Date of First Production this formation: 09/06/2016

Perforations Top: 7789 Bottom: 12814 No. Holes: 288 Hole size: 0.46

Provide a brief summary of the formation treatment: Open Hole: ☐

PERF AND FRAC FROM 7789-12814.
57 BBL 7.5% HCL ACID, 2,550 BBL PUMP DOWN, 80,077 BBL SLICKWATER, - 82,684 BBL TOTAL FLUID
362,456# 100 MESH OTTAWA/ST. PETERS, 1,981,012# 40/70 OTTAWA/ST. PETERS, - 2,343,468# TOTAL SAND.
ENTERED: CODELL 7789-10,784; 10,997; 12,434; 12,477-12,622;
CARLILE 10,784-10,997; 12,434-12,477;
NIOBRARA 12,622-12,814;
THIS IS A DESIGNATED SOURCE OF SUPPLY WELL
(SEE ATTACHMENT)
Have requested Niobrara/Codell/Carlile combination (See comments)

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 82684 Max pressure during treatment (psi): 7523

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.30

Type of gas used in treatment: Min frac gradient (psi/ft): 0.91

Total acid used in treatment (bbl): 57 Number of staged intervals: 14

Recycled water used in treatment (bbl): 1550 Flowback volume recovered (bbl): 937

Fresh water used in treatment (bbl): 81077 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 2343469 Rule 805 green completion techniques were utilized: ☒

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: 09/19/2016 Hours: 24 Bbl oil: 173 Mcf Gas: 337 Bbl H2O: 266

Calculated 24 hour rate: Bbl oil: 173 Mcf Gas: 337 Bbl H2O: 266 GOR: 1948

Test Method: FLOWING Casing PSI: 1460 Tubing PSI: Choke Size: 14/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1377 API Gravity Oil: 51

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

** Bridge Plug Depth: ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

FORMATION: CODELL Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 7789 Bottom: 12622 No. Holes: 288 Hole size: 0.46

Provide a brief summary of the formation treatment: Open Hole: ☐

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): Max pressure during treatment (psi):

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Min frac gradient (psi/ft):

Total acid used in treatment (bbl): Number of staged intervals:

Recycled water used in treatment (bbl): Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): Disposition method for flowback:

Total proppant used (lbs): Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

Calculated 24 hour rate: Bbl oil: Mcf Gas: Bbl H2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

** Bridge Plug Depth: ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 12622 Bottom: 12814 No. Holes: 288 Hole size: 0.46

Provide a brief summary of the formation treatment: Open Hole: ☐

See comments under Submit Tab

This formation is commingled with another formation: ☒ Yes ☐ No

Total fluid used in treatment (bbl): Max pressure during treatment (psi):

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):

Type of gas used in treatment: Min frac gradient (psi/ft):

Total acid used in treatment (bbl): Number of staged intervals:

Recycled water used in treatment (bbl): Flowback volume recovered (bbl):

Fresh water used in treatment (bbl): Disposition method for flowback:

Total proppant used (lbs): Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

Calculated 24 hour rate: Bbl oil: Mcf Gas: Bbl H2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

** Bridge Plug Depth: ** Sacks cement on top: ** Wireline and Cement Job Summary must be attached.

Comment:

This well has perforations in the Niobrara, but there currently is not a Niobrara, Codell, Carlile combination choice. As per 9/19/16 email from Barbara Westerdale a new combined code will be requested after COGCC review and confirmation of the producing formations. At such time new code is created please notify ila.beale@anadarko.com so I can distribute to Anadarko personnel.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: ILA BEALE

Title: STAFF REG. SPECIALIST Date: Email: ila.beale@anadarko.com

## Attachment Check List

| Att Doc Num | Name |
|---|---|
| 401113458 | OTHER |

Total Attach: 1 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| | | |

Total: 0 comment(s)