

FORM
5A

Rev
06/12

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400304196

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: JOEL MALEFYT
Phone: (720) 929-6828
Fax: (720) 929-7828

5. API Number 05-123-34476-00
6. County: WELD
7. Well Name: NORTHGLENN STATE
Well Number: 13-36
8. Location: QtrQtr: SWSE Section: 36 Township: 1N Range: 68W Meridian: 6
9. Field Name: _____ Field Code: _____

Completed Interval

| | | | | | |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</u> | | Status: <u>COMMINGLED</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>06/08/2012</u> | | End Date: <u>06/08/2012</u> | | Date of First Production this formation: <u>06/21/2012</u> | |
| Perforations | Top: <u>8482</u> | Bottom: <u>8498</u> | No. Holes: <u>64</u> | Hole size: <u>0.38</u> | |

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

PERF CODL 8482-8498 HOLES 64 SIZE .38
 Frac CODL down 4.5" casing w/ 207,564 gal slickwater w/ 150,480# 40/70, 4,000# 20/40.
 Broke @ 4,713 psi @ 3.6 bpm. ATP=4,734 psi; MTP=4,894 psi; ATR=61.9 bpm; ISDP=3,042 psi

| | |
|--|---|
| This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Total fluid used in treatment (bbl): <u>4942</u> | Max pressure during treatment (psi): <u>4894</u> |
| Total gas used in treatment (mcf): _____ | Fluid density at initial fracture (lbs/gal): <u>8.30</u> |
| Type of gas used in treatment: _____ | Max frac gradient (psi/ft): _____ |
| Total acid used in treatment (bbl): _____ | Number of staged intervals: <u>1</u> |
| Recycled water used in treatment (bbl): <u>0</u> | Flowback volume recovered (bbl): _____ |
| Fresh water used in treatment (bbl): <u>0</u> | Disposition method for flowback: <u>DISPOSAL</u> |
| Total proppant used (lbs): <u>154480</u> | Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/> |
| 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-CODELL | | Status: PRODUCING | | Treatment Type: _____ | |
| Treatment Date: 06/08/2012 | | End Date: 06/08/2012 | | Date of First Production this formation: 06/21/2012 | |
| Perforations | Top: 8072 | Bottom: 8498 | No. Holes: 130 | Hole size: 0.47 | |

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: _____ | Max 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: <input type="checkbox"/> |

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

| | | | | |
|--------------------------|-----------------------------|-------------------------|---------------------|------------|
| Date: 07/03/2012 | Hours: 24 | Bbl oil: 50 | Mcf Gas: 100 | Bbl H2O: 0 |
| Calculated 24 hour rate: | Bbl oil: 50 | Mcf Gas: 100 | Bbl H2O: 0 | GOR: 2000 |
| Test Method: FLOWING | Casing PSI: 1064 | Tubing PSI: _____ | Choke Size: 12/64 | |
| Gas Disposition: SOLD | Gas Type: WET | Btu Gas: 1278 | API Gravity Oil: 46 | |
| 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: FRACTURE STIMULATION
Treatment Date: 06/08/2012 End Date: 06/08/2012 Date of First Production this formation: 06/21/2012
Perforations Top: 8072 Bottom: 8362 No. Holes: 66 Hole size: 0.47
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 8072-8362 HOLES 66 SIZE .47
Frac NBRR down 4.5" casing w/ 250 gal 15% HCl & 250,490 gal slickwater w/ 201,080# 40/70, 4,000# 20/40.
Broke @ 2,672 psi @ 3.3 bpm. ATP=4,358 psi; MTP=4,644 psi; ATR=62.5 bpm; ISDP=2,744 psi

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 5964 Max pressure during treatment (psi): 4644
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.30
Type of gas used in treatment: Max frac gradient (psi/ft):
Total acid used in treatment (bbl): 5 Number of staged intervals: 1
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): 0 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 205080 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:

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

Signed: Print Name: JOEL MALEFYT
Title: REGULATORY ANALYST Date: Email: JOEL.MALEFYT@ANADARKO.COM

Attachment Check List

| Att Doc Num | Name |
|-------------|------|
| | |

Total Attach: 0 Files

General Comments

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

Total: 0 comment(s)