

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:

400318376

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 05-123-34471-00
6. County: WELD
7. Well Name: NORTHGLENN STATE
Well Number: 10-36
8. Location: QtrQtr: NWSE Section: 36 Township: 1N Range: 68W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

| | | | | | |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</u> | | Status: <u>COMMINGLED</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>07/20/2012</u> | | End Date: <u>07/20/2012</u> | | Date of First Production this formation: <u>07/24/2012</u> | |
| Perforations | Top: <u>8004</u> | Bottom: <u>8022</u> | No. Holes: <u>54</u> | Hole size: <u>0.38</u> | |

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

PERF CODL 8004-8022 HOLES 54 SIZE .38
 Frac CODL down 4.5" casing w/ 209,704 gal slickwater w/ 149,600# 40/70, 4,000# 20/40.
 Broke @ 2,611 psi @ 3.9 bpm. ATP=4,557 psi; MTP=4,877 psi; ATR=61.0 bpm; ISDP=2,622 psi

| | | |
|--|---|--|
| This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Total fluid used in treatment (bbl): <u>4993</u> | Max pressure during treatment (psi): <u>4877</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): _____ | Flowback volume recovered (bbl): _____ | |
| Fresh water used in treatment (bbl): _____ | Disposition method for flowback: <u>DISPOSAL</u> | |
| Total proppant used (lbs): <u>153600</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: <input type="checkbox"/> Yes <input type="checkbox"/> 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: FRACTURE STIMULATION

Treatment Date: 07/20/2012 End Date: 07/20/2012 Date of First Production this formation: 07/24/2012

Perforations Top: 7606 Bottom: 8022 No. Holes: 114 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: ☐

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 07/26/2012 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: 981 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: 07/20/2012 End Date: 07/20/2012 Date of First Production this formation: 07/24/2012
Perforations Top: 7606 Bottom: 7860 No. Holes: 60 Hole size: 0.47
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 7606-7860 HOLES 60 SIZE .47
Frac NBRR down 4.5" casing w/ 250 gal 15% HCl & 233,352 gal slickwater w/ 200,920# 40/70, 4,000# 20/40.
Broke @ 2,561 psi @ 6.4 bpm. ATP=4,353 psi; MTP=5,290 psi; ATR=61.0 bpm; ISDP=2,561 psi

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 5556 Max pressure during treatment (psi): 5290
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): Flowback volume recovered (bbl):
Fresh water used in treatment (bbl): Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 204920 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)