

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:

400311902

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 05-123-35073-00

7. Well Name: HEIN

8. Location: QtrQtr: SWNE Section: 1 Township: 1N Range: 67W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 8-1

Completed Interval

| | | | | | |
|-----------------------------------|------------------|-----------------------------|----------------------|--|--|
| FORMATION: <u>CODELL</u> | | Status: <u>COMMINGLED</u> | | Treatment Type: <u>FRACTURE STIMULATION</u> | |
| Treatment Date: <u>06/19/2012</u> | | End Date: <u>06/19/2012</u> | | Date of First Production this formation: <u>07/03/2012</u> | |
| Perforations | Top: <u>7666</u> | Bottom: <u>7684</u> | No. Holes: <u>54</u> | Hole size: <u>0.38</u> | |

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

PERF CODL 7666-7684 HOLES 54 SIZE .38
 Frac CODL down 4.5" casing w/ 193,452 gal slickwater w/ 150,120# 40/70, 4,000# 20/40.
 Broke @ 3,645 psi @ 5.5 bpm. ATP=4,413 psi; MTP=5,404 psi; ATR=60.0 bpm; ISDP=2,700 psi

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

| | |
|--|---|
| Total fluid used in treatment (bbl): <u>4606</u> | Max pressure during treatment (psi): <u>5404</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>154120</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: FRACTURE STIMULATION

Treatment Date: 06/19/2012 End Date: 06/19/2012 Date of First Production this formation: 07/03/2012

Perforations Top: 7452 Bottom: 7684 No. Holes: 112 Hole size: 0.42

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: 07/03/2012 Hours: 24 Bbl oil: 20 Mcf Gas: 20 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 20 Mcf Gas: 20 Bbl H2O: 0 GOR: 1000

Test Method: FLOWING Casing PSI: 1195 Tubing PSI: _____ Choke Size: _____

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1210 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: 06/19/2012 End Date: 06/19/2012 Date of First Production this formation: 07/03/2012
Perforations Top: 7452 Bottom: 7538 No. Holes: 58 Hole size: 0.42
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 7452-7538 HOLES 58 SIZE .42
Frac NBRR down 4.5" casing w/ 252 gal 15% HCl & 251,580 gal slickwater w/ 200,300# 40/70, 4,000# 20/40.
Break not observed. ATP=4,044 psi; MTP=5,411 psi; ATR=60.1 bpm; ISDP=2,823 psi

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 5990 Max pressure during treatment (psi): 5411
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): 6 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): 204300 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)