

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:

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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: Katie Kistner

Phone: (720) 9294317

Fax:

Email: katie.kistner@anadarko.com

5. API Number 05-123-37676-00

7. Well Name: HOWARD

8. Location: QtrQtr: SWSW Section: 28 Township: 1N Range: 67W Meridian: 6

9. Field Name: WATTENBERG Field Code: 90750

6. County: WELD

Well Number: 4N-28HZ

## Completed Interval

FORMATION: NIOBRARA Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 02/18/2014 End Date: 02/20/2014 Date of First Production this formation: 03/27/2014

Perforations Top: 8094 Bottom: 12586 No. Holes: 0 Hole size: 0

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

COMPLETED THROUGH AN OPEN HOLE LINER FROM 8094-12586.  
48 BBL ACID, 17667 BBL CROSSLINK GEL, 2002 BBL LINEAR GEL, 110916 BBL SLICKWATER, 130632 BBL TOTAL FLUID.  
528560# 30/50 OTTAWA/ST. PETERS, 3253800# 40/70 OTTAWA/ST. PETERS, 3782360# TOTAL SAND.

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

Total fluid used in treatment (bbl): 130632 Max pressure during treatment (psi): 8289  
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): 0.79  
Total acid used in treatment (bbl): 48 Number of staged intervals: 34  
Recycled water used in treatment (bbl): 2714 Flowback volume recovered (bbl): 6139  
Fresh water used in treatment (bbl): 127871 Disposition method for flowback: RECYCLE  
Total proppant used (lbs): 3782360 Rule 805 green completion techniques were utilized: ☒  
Reason why green completion not utilized:

Fracture stimulations must be reported on [FracFocus.org](http://FracFocus.org)

### Test Information:

Date: 04/04/2014 Hours: 24 Bbl oil: 129 Mcf Gas: 245 Bbl H2O: 0  
Calculated 24 hour rate: Bbl oil: 129 Mcf Gas: 240 Bbl H2O: 0 GOR: 1899  
Test Method: FLOWING Casing PSI: 1000 Tubing PSI: Choke Size: 14/64  
Gas Disposition: SOLD Gas Type: WET Btu Gas: 1118 API Gravity Oil: 48  
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: Katie Kistner  
Title: Regulatory Analyst Date: Email: rscdjpostdrill@anadarko.com

## Attachment Check List

Att Doc Num Name

Total Attach: 0 Files

## General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)