

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:

400314050

Date Received:

08/13/2012

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 05-123-34468-00
6. County: WELD
7. Well Name: NORTHGLENN STATE
Well Number: 32-36
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>07/06/2012</u>		End Date: <u>07/06/2012</u>		Date of First Production this formation: <u>07/11/2012</u>	
Perforations	Top: <u>8716</u>	Bottom: <u>8734</u>	No. Holes: <u>54</u>	Hole size: <u>0.38</u>	

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

PERF CODL 8716-8734 HOLES 54 SIZE .38
 Frac CODL down 4.5" casing w/ 215,378 gal slickwater w/ 150,080# 40/70, 4,000# 20/40.
 Broke @ 3,183 psi @ 3 bpm. ATP=4,472 psi; MTP=4,818 psi; ATR=60.0 bpm; ISDP=2,845 psi

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

Total fluid used in treatment (bbl): <u>5128</u>	Max pressure during treatment (psi): <u>4818</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.30</u>
Type of gas used in treatment: _____	Min 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>154080</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: 07/06/2012 End Date: 07/06/2012 Date of First Production this formation: 07/11/2012

Perforations Top: 8372 Bottom: 8734 No. Holes: 120 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: _____ 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: 07/13/2012 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: 1252 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: 07/06/2012 End Date: 07/06/2012 Date of First Production this formation: 07/11/2012
Perforations Top: 8372 Bottom: 8606 No. Holes: 66 Hole size: 0.47
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 8372-8606 HOLES 66 SIZE .47
Frac NBRR down 4.5" casing w/ 247,212 gal slickwater w/ 201,120# 40/70, 4,000# 20/40.
Broke @ 2,679 psi @ 5.5 bpm. ATP=4,379 psi; MTP=5,603 psi; ATR=59.6 bpm; ISDP=2,773 psi

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 5886 Max pressure during treatment (psi): 5603
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.30
Type of gas used in treatment: Min frac gradient (psi/ft):
Total acid used in treatment (bbl): 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): 205120 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: 8/13/2012 Email: JOEL.MALEFYT@ANADARKO.COM

Attachment Check List

Att Doc Num	Name
400314050	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)