

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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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 05-123-34867-00  
6. County: WELD  
7. Well Name: HEIN  
Well Number: 4-1  
8. Location: QtrQtr: SWNW Section: 1 Township: 1N Range: 67W 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>06/14/2012</u>		End Date: <u>06/14/2012</u>		Date of First Production this formation: <u>07/02/2012</u>	
Perforations	Top: <u>7658</u>	Bottom: <u>7674</u>	No. Holes: <u>64</u>	Hole size: <u>0.38</u>	

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

PERF CODL 7658-7674 HOLES 64 SIZE .38  
 Frac CODL down 4.5" casing w/ 191,982 gal slickwater w/ 34,900# 40/70, 4,000# 20/40.  
 Broke @ 4,141 psi @ 4.6 bpm. ATP=4,081 psi; MTP=4,736 psi; ATR=60.3 bpm; ISDP=2,733 psi

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

Total fluid used in treatment (bbl): <u>4571</u>	Max pressure during treatment (psi): <u>4736</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>38900</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: 06/14/2012		End Date: 06/14/2012		Date of First Production this formation: 07/02/2012	
Perforations Top: 7438		Bottom: 7674		No. Holes: 124      Hole size: 0.42	
Provide a brief summary of the formation treatment:				Open Hole: <input type="checkbox"/>	
This formation is commingled with another formation:				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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					
<b>Test Information:</b>					
Date: 07/06/2012	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: 1250	Tubing PSI:	Choke Size:		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1134	API Gravity Oil: 47		
Tubing Size:	Tubing Setting Depth:	Tbg setting date:	Packer Depth:		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
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 Status: COMMINGLED Treatment Type: FRACTURE STIMULATION  
Treatment Date: 06/14/2012 End Date: 06/14/2012 Date of First Production this formation: 07/02/2012  
Perforations Top: 7438 Bottom: 7528 No. Holes: 60 Hole size: 0.42  
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 7438-7528 HOLES 60 SIZE .42  
Frac NBRR down 4.5" casing w/ 252 gal 15% HCl & 216,846 gal slickwater w/ 42,260# 40/70, 4,000# 20/40.  
Broke @ 2,716 psi @ 2.5 bpm. ATP=4,079 psi; MTP=5,152 psi; ATR=59.6 bpm; ISDP=2,791 psi

This formation is commingled with another formation: ☒ Yes ☐ No  
Total fluid used in treatment (bbl): 5163 Max pressure during treatment (psi): 5152  
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): 48260 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)