

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400294400

Date Received:

06/11/2012

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 05-123-33729-00
6. County: WELD
7. Well Name: HOWARD
Well Number: 28-32
8. Location: QtrQtr: SWNE Section: 32 Township: 1N Range: 67W Meridian: 6
9. Field Name: SPINDLE Field Code: 77900

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>05/07/2012</u>		End Date: <u>05/07/2012</u>		Date of First Production this formation: <u>05/10/2012</u>	
Perforations	Top: <u>8384</u>	Bottom: <u>8407</u>	No. Holes: <u>66</u>	Hole size: <u>0.38</u>	

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

PERF CODL 8384-8407 HOLES 66 SIZE .38
 CODL down casing w/ 251,580 gal slickwater w/ 150,000# 40/70, 4,000# SB Excel.
 Broke @ 4,677 psi @ 3.5 bpm. ATP=4,604 psi; MTP=5,018 psi; ATR=60.3 bpm; ISDP=2,862 psi

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>5990</u>	Max pressure during treatment (psi): <u>5018</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): <u>5990</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>154000</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: 05/07/2012		End Date: 05/07/2012		Date of First Production this formation: 05/10/2012	
Perforations	Top: 7966	Bottom: 8407	No. Holes: 128	Hole size: 0.42	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
PERF NBRR 7966-8248 HOLES 62 SIZE .42 PERF CODL 8384-8407 HOLES 66 SIZE .38					
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:		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: <input type="checkbox"/>			
Reason why green completion not utilized: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: 05/09/2012	Hours: 24	Bbl oil: 2	Mcf Gas: 50	Bbl H2O: 0	
Calculated 24 hour rate:	Bbl oil: 2	Mcf Gas: 50	Bbl H2O: 0	GOR: 25000	
Test Method: FLOWING	Casing PSI: 1405	Tubing PSI:	Choke Size: 12/64		
Gas Disposition: SOLD	Gas Type: WET	Btu Gas: 1270	API Gravity Oil: 46		
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: 05/07/2012 End Date: 05/07/2012 Date of First Production this formation: 05/10/2012
Perforations Top: 7966 Bottom: 8248 No. Holes: 62 Hole size: 0.42
Provide a brief summary of the formation treatment: Open Hole: ☐

PERF NBRR 7966-8248 HOLES 62 SIZE .42
Frac NBRR down casing w/ 252 gal 15% HCl & 259,056 gal slickwater w/ 200,490# 40/70, 4,600# SB Excel.
Broke @ 3,151 psi @ 3.7 bpm. ATP=4,340 psi; MTP=4,752 psi; ATR=59.3 bpm; ISDP=2,782 psi.

This formation is commingled with another formation: ☒ Yes ☐ No
Total fluid used in treatment (bbl): 6168 Max pressure during treatment (psi): 4752
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): 6168 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 205090 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: 6/11/2012 Email: JOEL.MALEFYT@ANADARKO.COM

Attachment Check List

Att Doc Num	Name
400294400	FORM 5A SUBMITTED

Total Attach: 1 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)