

**FORM
5**Rev
02/08**State of Colorado****Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400222731

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☐ Final completion ☒ Preliminary completion

1. OGCC Operator Number: 47120

4. Contact Name: Emily Carrender

2. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6282

3. Address: P O BOX 173779

Fax: (720) 929-7282

City: DENVER State: CO Zip: 80217-

5. API Number 05-123-33739-00

6. County: WELD

7. Well Name: HOWARD

Well Number: 24-29

8. Location: QtrQtr: SESE Section: 29 Township: 1N Range: 67W Meridian: 6

Footage at surface: Distance: 1099 feet Direction: FSL Distance: 1314 feet Direction: FEL

As Drilled Latitude: 40.017854 As Drilled Longitude: -104.909591

GPS Data:

Date of Measurement: 10/12/2011 PDOP Reading: 2.2 GPS Instrument Operator's Name: Renee Doiron

** If directional footage at Top of Prod. Zone Dist.: 2601 feet. Direction: FSL Dist.: 1332 feet. Direction: FEL

Sec: 29 Twp: 1N Rng: 67W

** If directional footage at Bottom Hole Dist.: 2622 feet. Direction: FSL Dist.: 1325 feet. Direction: FEL

Sec: 29 Twp: 1N Rng: 67W

9. Field Name: WATTENBERG

10. Field Number: 90750

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 08/28/2011 13. Date TD: 08/31/2011 14. Date Casing Set or D&A: 09/01/2011

15. Well Classification:

☐ Dry ☐ Oil ☒ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

16. Total Depth MD 8532 TVD** 8314 17 Plug Back Total Depth MD 8489 TVD** 8271

18. Elevations GR 5023 KB 5038

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:

PRE FORM 5

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	12+1/4	8+5/8	24.0	0	1,209	760	15	1,209	CALC
1ST	7+7/8	4+1/2	11.6	0	8,520	65	8,134	8,520	CALC

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 09/01/2011					
Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
DV TOOL	1ST	8,134	1,001	975	8,134
Details of work:					

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES					
FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PARKMAN	4,528		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,870		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,587		<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	7,958		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	7,980		<input type="checkbox"/>	<input type="checkbox"/>	
J SAND	8,410		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Emily Carrender

Title: Operation Specialist I Date: 11/10/2011 Email: emily.carrender@anadarko.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400222738	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400222737	Directional Survey **	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	DST Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Logs	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<u>Other Attachments</u>					
400222731	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Engineer	Preliminary Form 5, no CBL yet.	12/27/2011 2:20:59 PM
Permit	REQ MWD/FMI LOGS	11/11/2011 12:27:58 PM

Total: 2 comment(s)