

**FORM**  
**5**  
Rev  
02/08

**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:  
400489211

Date Received:  
11/22/2013

**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: Katie Kistner  
 2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 9294317  
 3. Address: P O BOX 173779 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80217-

5. API Number 05-123-37679-00 6. County: WELD  
 7. Well Name: HOWARD Well Number: 29C-28HZ  
 8. Location: QtrQtr: SESW Section: 28 Township: 1N Range: 67W Meridian: 6  
 Footage at surface: Distance: 289 feet Direction: FSL Distance: 1324 feet Direction: FWL  
 As Drilled Latitude: 40.015624 As Drilled Longitude: -104.900142

GPS Data:  
 Date of Measurement: 08/07/2013 PDOP Reading: 2.4 GPS Instrument Operator's Name: Renee Doiron

\*\* If directional footage at Top of Prod. Zone Dist.: 521 feet. Direction: FSL Dist.: 990 feet. Direction: FWL

Sec: 28 Twp: 1N Rng: 67W

\*\* If directional footage at Bottom Hole Dist.: 27 feet. Direction: FNL Dist.: 965 feet. Direction: FWL

Sec: 28 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) 08/05/2013 13. Date TD: 09/14/2013 14. Date Casing Set or D&A: 09/16/2013

15. Well Classification:  
 Dry  Oil  Gas/Coalbed  Disposal  Stratigraphic  Enhanced Recovery  Storage  Observation

16. Total Depth MD 12805 TVD\*\* 7716 17 Plug Back Total Depth MD 12781 TVD\*\* 7716

18. Elevations GR 5008 KB 5024 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:

CBL, GR, RES, MUD

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	13+1/2	9+5/8	36	0	1,019	382	0	1,019	VISU
1ST	8+3/4	7	26	0	8,063	800	1,024	8,063	CBL
1ST LINER	6+1/8	4+1/2	11.6	7183	12,790				

## STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: \_\_\_\_\_

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom

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	
SHARON SPRINGS	7,381		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,406		<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	7,901		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	7,971		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

Due to anti-collision needs and the variability of directional drilling, our as-drilled BHL could be different than the permitted.

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: 11/22/2013 Email: katie.kistner@anadarko.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<b>Attachment Checklist</b>			
400494919	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400489453	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 checked="" type="checkbox"/>	No <input type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Other Attachments</b>			
400489211	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489422	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489427	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489428	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489431	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489432	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400489435	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400494921	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400517419	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	cement correspondence received via sundry 400590953.	4/17/2014 9:28:01 AM

Total: 1 comment(s)