

**FORM  
5**Rev  
09/14**State of Colorado****Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400536607

Date Received:

01/22/2014

**DRILLING COMPLETION REPORT**

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 47120

Contact Name: Katie Kistner

Name of Operator: KERR MCGEE OIL &amp; GAS ONSHORE LP

Phone: (720) 9294317

Address: P O BOX 173779

Fax:

City: DENVER State: CO Zip: 80217-

API Number 05-123-38006-00

County: WELD

Well Name: HOWARD

Well Number: 2N-33HZR

Location: QtrQtr: NENE Section: 28 Township: 1N Range: 67W Meridian: 6

Footage at surface: Distance: 370 feet Direction: FNL Distance: 1094 feet Direction: FEL

As Drilled Latitude: 40.028309 As Drilled Longitude: -104.890029

## GPS Data:

Date of Measurement: 12/02/2013 PDOP Reading: 2.1 GPS Instrument Operator's Name: Renee Doiron

\*\* If directional footage at Top of Prod. Zone Dist.: 614 feet Direction: FNL Dist.: 2099 feet Direction: FEL

Sec: 28 Twp: 1N Rng: 67W

\*\* If directional footage at Bottom Hole Dist.: 169 feet Direction: FNL Dist.: 2012 feet Direction: FEL

Sec: 24 Twp: 1N Rng: 67W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 09/17/2013 Date TD: 11/15/2013 Date Casing Set or D&amp;A: 11/17/2013

Rig Release Date: Per Rule 308A.b.

## Well Classification:

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

Total Depth MD 12802 TVD\*\* 7500 Plug Back Total Depth MD 12787 TVD\*\* 7500

Elevations GR 4983 KB 4999 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

## List Electric Logs Run:

CBL, GR, MUD

**CASING, LINER AND CEMENT**

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	1,037	388	0	1,037	VISU
1ST	8+3/4	7	26	0	7,957	800	95	7,957	CBL
1ST LINER	6+1/8	4+1/2	11.6	6963	12,787				CALC

### STAGE/TOP OUT/REMEDIAL CEMENT

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

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	SURF		200	0	1,037

Details of work:

top out job 9/19/2013 @ 13:00, got 6.5 bbls back to surface.

### FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
SHARON SPRINGS	7,431				
NIOBRARA	7,470				

#### Operator Comments

THE HOWARD 2N-33HZR IS A REDRILL FOR THE HOWARD 2N-33HZ (O5-123-36927) WHICH HAS BEEN PLUGGED.

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: 1/22/2014

Email: katie.kistner@anadarko.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400536631	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400543647	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"/>
<u>Other Attachments</u>			
400536607	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400536620	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400536621	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400536623	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400536624	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400536629	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400543648	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	added top out cement described in surface cement summary to the remedial cement tab.	12/24/2014 2:55:44 PM

Total: 1 comment(s)