

FORM
5Rev
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



DE ET OE ES

Document Number:

400550561

Date Received:

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 05-123-38232-00

6. County: WELD

7. Well Name: HOWARD

Well Number: 24C-22HZ

8. Location: QtrQtr: SWSE Section: 27 Township: 1N Range: 67W Meridian: 6

Footage at surface: Distance: 561 feet Direction: FSL Distance: 2158 feet Direction: FEL

As Drilled Latitude: 40.016391 As Drilled Longitude: -104.874937

GPS Data:

Data of Measurement: 12/17/2013 PDOP Reading: 2.3 GPS Instrument Operator's Name: Renee Doiron

** If directional footage at Top of Prod. Zone Dist.: 647 feet. Direction: FSL Dist.: 1738 feet. Direction: FEL

Sec: 27 Twp: 1N Rng: 67W

** If directional footage at Bottom Hole Dist.: 2123 feet. Direction: FSL Dist.: 1362 feet. Direction: FEL

Sec: 22 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) 10/18/2013 13. Date TD: 12/07/2013 14. Date Casing Set or D&A: 12/11/2013

15. Well Classification:

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

16. Total Depth MD 14975 TVD** 7704 17 Plug Back Total Depth MD 14908 TVD** 7704

18. Elevations GR 5033 KB 5049

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, 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	1,238	460	0	1,238	VISU
1ST	8+3/4	7	26	0	8,211	811	74	8,211	CBL
1ST LINER	6+1/8	4+1/2	11.6	7243	14,954	410	7,162	14,948	CALC

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	7,392		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,411		<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	8,010		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	8,127		<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 KistnerTitle: Regulatory Analyst Date: _____ Email: katie.kistner@anadarko.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400550654	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400550657	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>					
400550641	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550647	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550648	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550649	LAS-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550651	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550652	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400550656	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)