

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:

400480648

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 05-123-36718-00 6. County: WELD
7. Well Name: CROWDER Well Number: 16N-19HZ
8. Location: QtrQtr: NENE Section: 18 Township: 2N Range: 65W Meridian: 6
Footage at surface: Distance: 504 feet Direction: FNL Distance: 853 feet Direction: FEL
As Drilled Latitude: 40.144571 As Drilled Longitude: -104.700338

GPS Data:

Data of Measurement: 05/13/2013 PDOP Reading: 2.0 GPS Instrument Operator's Name: Renee Doiron** If directional footage at Top of Prod. Zone Dist.: 1028 feet. Direction: FNL Dist.: 918 feet. Direction: FELSec: 18 Twp: 2N Rng: 65W** If directional footage at Bottom Hole Dist.: 492 feet. Direction: FSL Dist.: 913 feet. Direction: FELSec: 19 Twp: 2N Rng: 65W9. Field Name: WATTENBERG 10. Field Number: 90750

11. Federal, Indian or State Lease Number: _____

12. Spud Date: (when the 1st bit hit the dirt) 02/18/2013 13. Date TD: 04/06/2013 14. Date Casing Set or D&A: 04/08/2013

15. Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation16. Total Depth MD 16620 TVD** 7207 17 Plug Back Total Depth MD 16596 TVD** 720718. Elevations GR 4953 KB 4978

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	1,083	496	0	1,083	VISU
1ST	8+3/4	7	26	0	7,483	761	0	7,483	CBL
1ST LINER	6+1/8	4+1/2	11.6	6500	16,605				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	7,026		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,111		<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>					
400480711	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400480710	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>					
400480678	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480682	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480684	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480686	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480687	LAS-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480689	LAS-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480691	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480694	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480701	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480703	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400480708	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)