

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:

400614838

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: 100322

4. Contact Name: Kathleen Mills

2. Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2226

3. Address: 1625 BROADWAY STE 2200

Fax: (303) 228-4286

City: DENVER State: CO Zip: 80202

5. API Number 05-123-36406-00

6. County: WELD

7. Well Name: COUGAR B

Well Number: 02-67-1HN

8. Location: QtrQtr: NWNW Section: 2 Township: 5N Range: 64W Meridian: 6

Footage at surface: Distance: 566 feet Direction: FNL Distance: 680 feet Direction: FWL

As Drilled Latitude: 40.434078 As Drilled Longitude: -104.524371

GPS Data:

Data of Measurement: 10/16/2013 PDOP Reading: 2.1 GPS Instrument Operator's Name: DAVID ABEGGIN

** If directional footage at Top of Prod. Zone Dist.: 1617 feet. Direction: FNL Dist.: 1393 feet. Direction: FWL

Sec: 2 Twp: 5N Rng: 64W

** If directional footage at Bottom Hole Dist.: 1653 feet. Direction: FNL Dist.: 660 feet. Direction: FEL

Sec: 2 Twp: 5N Rng: 64W

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) 02/03/2014 13. Date TD: 02/09/2014 14. Date Casing Set or D&A: 02/11/2014

15. Well Classification:

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

16. Total Depth MD 10350 TVD** 6650 17 Plug Back Total Depth MD 10339 TVD** 6650

18. Elevations GR 4641 KB 4665

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, MUD, GR

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
CONDUCTOR	26	16	42.05	0	124	80	0	124	VISU
SURF	13+1/2	9+5/8	36	0	2,000	687	0	2,000	VISU
1ST	8+3/4	7	26	0	7,088	651	790	7,088	CALC
1ST LINER	6+1/8	4+1/2	11.6	6982	10,340	0			

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	
PIERRE	2,342		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	3,555		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,265		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	4,858		<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES	5,847		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,736		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

GPS TAKEN ON CONDUCTOR

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

Signed: _____ Print Name: Kathleen Mills

Title: Regulatory Analyst Date: _____ Email: kmills@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?
<u>Attachment Checklist</u>		
400614874	CMT Summary *	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
400614878	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>		
400614858	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614861	PDF-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614864	LAS-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614865	PDF-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614867	LAS-MUD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614869	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614870	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614873	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400614881	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)