

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:

400615500

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 05-123-36405-00

6. County: WELD

7. Well Name: COUGAR B

Well Number: 02-69-1HN

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

Footage at surface: Distance: 566 feet Direction: FNL Distance: 702 feet Direction: FWL

As Drilled Latitude: 40.434084 As Drilled Longitude: -104.524288

GPS Data:

Data of Measurement: 10/06/2013 PDOP Reading: 2.4 GPS Instrument Operator's Name: DAVID ABEGGIEN

** If directional footage at Top of Prod. Zone Dist.: 316 feet. Direction: FNL Dist.: 1462 feet. Direction: FWL

Sec: 2 Twp: 5N Rng: 64W

** If directional footage at Bottom Hole Dist.: 356 feet. Direction: FNL Dist.: 661 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) 01/25/2014 13. Date TD: 01/31/2014 14. Date Casing Set or D&A: 02/01/2014

15. Well Classification:

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

16. Total Depth MD 10282 TVD** 6636 17 Plug Back Total Depth MD 10271 TVD** 6636

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	2,001	668	0	2,001	VISU
1ST	8+3/4	7	26	0	6,984	641	780	6,984	CALC
1ST LINER	6+1/4	4+1/2	11.6	6867	10,272				

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	2,367		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	3,510		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,238		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	4,779		<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES	5,871		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,644		<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>					
400615571	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400615574	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>					
400615550	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615556	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615558	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615561	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615562	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615563	LAS-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615564	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615566	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400615578	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)