

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:

400414994

Date Received:

05/07/2013

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 05-123-35060-00

6. County: WELD

7. Well Name: WASHBURN LE

Well Number: 22-78HN

8. Location: QtrQtr: NWNW Section: 22 Township: 8N Range: 61W Meridian: 6

Footage at surface: Distance: 250 feet Direction: FNL Distance: 280 feet Direction: FWL

As Drilled Latitude: 40.653840 As Drilled Longitude: -104.200230

GPS Data:

Date of Measurement: 06/18/2012 PDOP Reading: 3.0 GPS Instrument Operator's Name: PAUL TAPPY

** If directional footage at Top of Prod. Zone Dist.: 976 feet. Direction: FNL Dist.: 661 feet. Direction: FWL

Sec: 22 Twp: 8N Rng: 61W

** If directional footage at Bottom Hole Dist.: 671 feet. Direction: FSL Dist.: 629 feet. Direction: FWL

Sec: 22 Twp: 8N Rng: 61W

9. Field Name: DJ HORIZONTAL NIOBRARA

10. Field Number: 16950

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 04/09/2012 13. Date TD: 04/16/2012 14. Date Casing Set or D&A: 04/17/2012

15. Well Classification:

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

16. Total Depth MD 10777 TVD** 6513 17 Plug Back Total Depth MD 10761 TVD** 6513

18. Elevations GR 4985 KB 5015

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	24	16	75	0	130	160	0	130	
SURF	13+3/4	9+5/8	36	0	1,059	427	0	1,059	VISU
1ST	8+3/4	7	26	0	6,959	560	960	6,959	CBL
1ST LINER	6+1/8	4+1/2	11.6	6861	10,762	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	2,633		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	3,527		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,998		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	5,545		<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES	5,685		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,559		<input type="checkbox"/>	<input type="checkbox"/>	

Comment: _____

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: 5/7/2013 Email: kmills@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400415068	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400415069	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>					
400414994	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400415058	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400415070	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
700097520	MUD LOG	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
700097522	MUD LOG	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
700098293	GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
700098294	GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	GAMMA RAY and MUD LOG attached from well file.	5/16/2014 9:31:34 AM
Permit	On hold. Requested PDF of gamma ray log.	6/17/2013 1:22:00 PM

Total: 2 comment(s)