

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:

400322998

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: Sarah Finnegan

2. Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2265

3. Address: 1625 BROADWAY STE 2200

Fax: (303) 228-4286

City: DENVER State: CO Zip: 80202

5. API Number 05-123-34755-00

6. County: WELD

7. Well Name: LUDWIG H

Well Number: 06-31D

8. Location: QtrQtr: NWNW Section: 6 Township: 3N Range: 65W Meridian: 6

Footage at surface: Distance: 260 feet Direction: FNL Distance: 208 feet Direction: FWL

As Drilled Latitude: 40.260940 As Drilled Longitude: -104.714920

## GPS Data:

Date of Measurement: 06/04/2012 PDOP Reading: 5.3 GPS Instrument Operator's Name: Paul Tappy

\*\* If directional footage at Top of Prod. Zone Dist.: 1331 feet. Direction: FNL Dist.: 57 feet. Direction: FWL

Sec: 6 Twp: 3N Rng: 65W

\*\* If directional footage at Bottom Hole Dist.: 1332 feet. Direction: FNL Dist.: 62 feet. Direction: FWL

Sec: 6 Twp: 3N Rng: 65W

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) 05/14/2012 13. Date TD: 05/17/2012 14. Date Casing Set or D&amp;A: 05/18/2012

## 15. Well Classification:

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

16. Total Depth MD 7690 TVD\*\* 7514 17 Plug Back Total Depth MD 7632 TVD\*\* 7456

18. Elevations GR 4901 KB 4914

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, Triple Combo

## 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	12+1/4	8+5/8	24.00	0	693	242	0	703	CALC
1ST	7+7/8	4+1/2	11.60	0	7,677	630	2,305	7,690	CBL

## 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:

<b>FORMATION LOG INTERVALS AND TEST ZONES</b>					
FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PIERRE	356		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	4,005		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,677		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	5,476		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,180		<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	7,474		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	7,494		<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: Sarah Finnegan

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: sfinnegan@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Document Name	attached ?
<u>Attachment Checklist</u>		
400323597	CMT Summary *	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
400323002	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>		
400322999	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400323000	LAS-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
400323001	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)