

**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



DE	ET	OE	ES
----	----	----	----

Document Number:  
400322998  
  
Date Received:  
09/05/2012

**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&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	3,050	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:

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	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: 9/5/2012 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>			
400322998	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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

User Group	Comment	Comment Date

Total: 0 comment(s)