

FORM  
5Rev  
09/14

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400775853

Date Received:

01/20/2015

**DRILLING COMPLETION REPORT**

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type  Final completion  Preliminary completion

OGCC Operator Number: 100322 Contact Name: EILEEN ROBERTS  
 Name of Operator: NOBLE ENERGY INC Phone: (303) 2284330  
 Address: 1625 BROADWAY STE 2200 Fax: (303) 2284286  
 City: DENVER State: CO Zip: 80202

API Number 05-123-38849-00 County: WELD  
 Well Name: Rainbow Well Number: LC28-74-1HNA  
 Location: QtrQtr: SWSE Section: 28 Township: 9N Range: 59W Meridian: 6  
 Footage at surface: Distance: 340 feet Direction: FSL Distance: 1810 feet Direction: FEL  
 As Drilled Latitude: 40.715026 As Drilled Longitude: -103.979785

## GPS Data:

Date of Measurement: 09/25/2014 PDOP Reading: 2.6 GPS Instrument Operator's Name: Toa Sagapolutele

\*\* If directional footage at Top of Prod. Zone Dist.: 757 feet Direction: FSL Dist.: 1691 feet. Direction: FEL

Sec: 28 Twp: 9N Rng: 59W

\*\* If directional footage at Bottom Hole Dist.: 675 feet Direction: FNL Dist.: 1650 feet. Direction: FEL

Sec: 28 Twp: 9N Rng: 59W

Field Name: DJ HORIZONTAL NIOBRARA Field Number: 16950

Federal, Indian or State Lease Number: \_\_\_\_\_

Spud Date: (when the 1st bit hit the dirt) 08/04/2014 Date TD: 08/09/2014 Date Casing Set or D&A: 08/10/2014  
 Rig Release Date: 08/12/2014 Per Rule 308A.b.

## Well Classification:

Dry  Oil  Gas/Coalbed  Disposal  Stratigraphic  Enhanced Recovery  Storage  Observation

Total Depth MD 10300 TVD\*\* 6009 Plug Back Total Depth MD 10300 TVD\*\* 6009

Elevations GR 4842 KB 4866 **Digital Copies of ALL Logs must be Attached per Rule 308A**

## List Electric Logs Run:

CBL/Mud/Gamma

**CASING, LINER AND CEMENT**

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	42.09	0	124	80	0	124	VISU
SURF	13+3/4	9+5/8	36	0	617	347	0	617	VISU
1ST	8+3/4	7	26	0	6,352	472	490	6,352	CBL
1ST LINER	6+1/8	4+1/2	11.6	6130	10,296	313			

**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:

\_\_\_\_\_

**FORMATION LOG INTERVALS AND TEST ZONES**

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PIERRE	2,849				
PARKMAN	3,399				
SUSSEX	4,068				
SHANNON	4,436				
NIOBRARA	6,116				

Operator Comments

\_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Eileen Roberts

Title: Regulatory Analyst I Date: 1/20/2015 Email: eroberts@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
2451228	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2451229	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>			
400775853	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775949	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775952	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775955	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775959	GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775963	GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775964	RESISTIVITY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400775967	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Horizontal mud log is corrupted & wouldn't open. operator sent it 4/23/15	4/21/2015 5:28:42 PM
Permit	Attached directional survey and cement ticket.	3/17/2015 9:36:00 AM
Permit	Pending--requested cement ticket and directional survey. Originals are corrupted.	3/16/2015 4:23:04 PM

Total: 3 comment(s)