

FORM
5

Rev
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:

400469294

Date Received:

08/20/2013

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 05-123-37096-00 County: WELD
Well Name: CASTOR Well Number: LD12-78HN
Location: QtrQtr: SWSW Section: 12 Township: 9N Range: 58W Meridian: 6
Footage at surface: Distance: 288 feet Direction: FSL Distance: 660 feet Direction: FWL
As Drilled Latitude: 40.759682 As Drilled Longitude: -103.819359

GPS Data:
Date of Measurement: 08/07/2013 PDOP Reading: 1.7 GPS Instrument Operator's Name: Paul Tappy

** If directional footage at Top of Prod. Zone Dist.: 1088 feet Direction: FSL Dist.: 640 feet Direction: FWL
Sec: 12 Twp: 9N Rng: 58W

** If directional footage at Bottom Hole Dist.: 673 feet Direction: FNL Dist.: 660 feet Direction: FWL
Sec: 12 Twp: 9N Rng: 58W

Field Name: DJ HORIZONTAL NIOBRARA Field Number: 16950
Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 05/16/2013 Date TD: 05/21/2013 Date Casing Set or D&A: 05/22/2013
Rig Release Date: Per Rule 308A.b.

Well Classification:
 Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 9505 TVD** 5521 Plug Back Total Depth MD 9505 TVD** 5521

Elevations GR 4630 KB 4654 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	20	14+0/0	113	0	124	80	0	124	VISU
SURF	13+3/4	9+5/8	36	0	1,217	490	0	1,217	VISU
1ST	8+3/4	7	26	0	5,860	485	1,550	5,860	CBL
1ST LINER	6+1/8	4+1/2	11.6	5747	9,490				

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	2,259				
PARKMAN	3,078				
SUSSEX	3,640				
SHANNON	4,373				
NIOBRARA	5,742				

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 Specialist Date: 8/20/2013 Email: eroberts@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400469735	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400469736	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>			
400469294	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469737	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469738	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469739	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469740	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469741	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469742	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469743	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469748	PDF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400469751	PDF-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	Changed field name to DJ Horiz. Niobrara. Corrected TPZ footage to reflect directional survey reported value. Corrected PBTVD to reflect directional survey.	3/5/2015 11:51:09 AM
Permit	Oper. submitted revised as built GPS.	7/30/2014 11:03:12 AM

Total: 2 comment(s)