

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:

401227098

Date Received:

05/01/2018

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: LOGAN BOUGHAL  
Name of Operator: NOBLE ENERGY INC Phone: (832) 6397447  
Address: 1001 NOBLE ENERGY WAY Fax:  
City: HOUSTON State: TX Zip: 77070

API Number 05-123-42941-00 County: WELD  
Well Name: Earp Federal Well Number: LC23-735  
Location: QtrQtr: SWSE Section: 11 Township: 9N Range: 59W Meridian: 6  
Footage at surface: Distance: 363 feet Direction: FSL Distance: 2285 feet Direction: FEL  
As Drilled Latitude: 40.759228 As Drilled Longitude: -103.944135

GPS Data:  
Date of Measurement: 12/06/2016 PDOP Reading: 4.8 GPS Instrument Operator's Name: Toa Sagapolutele

\*\* If directional footage at Top of Prod. Zone Dist.: 306 feet Direction: FSL Dist.: 1290 feet Direction: FEL  
Sec: 11 Twp: 9N Rng: 59W

\*\* If directional footage at Bottom Hole Dist.: 822 feet Direction: FSL Dist.: 1239 feet Direction: FEL  
Sec: 23 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) 12/23/2016 Date TD: 12/27/2016 Date Casing Set or D&A: 12/28/2016  
Rig Release Date: 01/09/2017 Per Rule 308A.b.

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

Total Depth MD 16570 TVD\*\* 6004 Plug Back Total Depth MD 16512 TVD\*\* 6005  
Elevations GR 4944 KB 4974 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:  
CBL, MWD/LWD, (DIL in 123-42947 & 123-42953)

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	110	64	0	110	CALC
SURF	13+1/2	9+5/8	36	0	1,902	650	0	1,902	VISU
1ST	8+1/2	5+1/2	20	0	16,556	1,890	3,478	16,556	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:

\_\_\_\_\_

**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	
PARKMAN	3,570				
SUSSEX	4,183				
SHANNON	4,701				
TEEPEE BUTTES	5,477				
NIOBRARA	6,370				

**Operator Comments**

As drilled GPS was surveyed after conductor was set on 11/28/2016.  
No Mud logs ran. Resistivity log was ran on Ringo Federal LC23-725 (123-42947) & Tombstone Fed. LC23-755 (123-42953)  
TPZ is estimated, actual TPZ will be submitted on the form 5A.

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

Signed: \_\_\_\_\_ Print Name: LOGAN BOUGHAL

Title: Regulatory Analyst II Date: 5/1/2018 Email: LOGAN.BOUGHAL@NBLENERGY.COM

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
401227159	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227161	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401227141	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>			
401227098	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227118	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227120	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227128	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227136	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227147	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	<ul style="list-style-type: none"> <li>• Corrected the PBDT per the float collar depth provided on the Cement Job Summary</li> <li>• Corrected the surface string "Sacks of Cement" per the Cement Job Summary</li> </ul>	06/20/2018
Permit	Changed MWD/LWD to their standard industry abbreviations Changed the field name from wildcat to DJ Horizontal Niobrara Changed the total depth to 16570 as per drilling documents	05/04/2018
Permit	Send back to draft since submitter is not on the designated agent list	04/19/2018

Total: 3 comment(s)