

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:

401227335

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 05-123-42940-00 County: WELD
Well Name: Earp Federal Well Number: LC23-745
Location: QtrQtr: SWSE Section: 11 Township: 9N Range: 59W Meridian: 6
Footage at surface: Distance: 363 feet Direction: FSL Distance: 2360 feet Direction: FEL
As Drilled Latitude: 40.759228 As Drilled Longitude: -103.944404

GPS Data:
Date of Measurement: 12/06/2016 PDOP Reading: 2.6 GPS Instrument Operator's Name: Toa Sagapolutele

** If directional footage at Top of Prod. Zone Dist.: 270 feet Direction: FSL Dist.: 2112 feet Direction: FEL
Sec: 11 Twp: 9N Rng: 59W

** If directional footage at Bottom Hole Dist.: 878 feet Direction: FSL Dist.: 2081 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) 01/03/2017 Date TD: 01/07/2017 Date Casing Set or D&A: 01/09/2017
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 16477 TVD** 6011 Plug Back Total Depth MD 16422 TVD** 6011

Elevations GR 4945 KB 4975 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	1,932	667	0	1,932	VISU
1ST	8+1/2	5+1/2	20	0	16,470	1,865	1,557	16,470	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	3,531				
SUSSEX	4,120				
SHANNON	4,947				
TEEPEE BUTTES	5,432				
NIOBRARA	6,231				

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>			
401227394	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227395	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401227382	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>			
401227335	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227367	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227372	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227375	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227379	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401227392	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	• Corrected the first string "Setting Depth"/"Cement Btm" per the Cement Job Summary	06/20/2018
Permit	Added second API with resistivity to list of logs run to meet well's requirement Changed the field name from wildcat to DJ Horizontal Niobrara Changed total depth to 16,477' as per drilling document	05/03/2018
Permit	Send back to draft since submitter is not on the designated agent list	04/19/2018

Total: 3 comment(s)