

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:

401144308

Date Received:

11/15/2016

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: Julie Webb

Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2223

Address: 1625 BROADWAY STE 2200

Fax:

City: DENVER State: CO Zip: 80202

API Number 05-123-43294-00

County: WELD

Well Name: Harper

Well Number: LD21-662

Location: QtrQtr: SWNW Section: 22 Township: 9N Range: 58W Meridian: 6

Footage at surface: Distance: 1783 feet Direction: FNL Distance: 330 feet Direction: FWL

As Drilled Latitude: 40.739154 As Drilled Longitude: -103.858366

GPS Data:

Date of Measurement: 08/17/2016 PDOP Reading: 2.5 GPS Instrument Operator's Name: Toa Sagapolutele

** If directional footage at Top of Prod. Zone Dist.: 1867 feet Direction: FNL Dist.: 487 feet Direction: FEL

Sec: 21 Twp: 9N Rng: 58W

** If directional footage at Bottom Hole Dist.: 1879 feet Direction: FNL Dist.: 330 feet Direction: FWL

Sec: 21 Twp: 9N Rng: 58W

Field Name: WILDCAT

Field Number: 99999

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 09/03/2016 Date TD: 09/05/2016 Date Casing Set or D&A: 09/06/2016

Rig Release Date: 09/14/2016 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 10699 TVD** 5721 Plug Back Total Depth MD 10649 TVD** 5721

Elevations GR 4777 KB 4807 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

MWD/LWD, CBL, (RES on 05-123-43293)

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	1,938	742	0	1,938	VISU
1ST	8+1/2	5+1/2	20	0	10,687	1,364	2,130	10,687	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	
PIERRE	733				
PARKMAN	3,278				
SUSSEX	3,908				
SHANNON	4,368				
TEEPEE BUTTES	5,023				
NIOBRARA	5,741				

Operator Comments

As Drilled GPS was surveyed after conductor was set 8/2/2016.
No mud logs run. No open-hole logs were run on this well.
The designated Resistivity log for this pad is Harper LD21-655 (05-123-43293).

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

Signed: _____ Print Name: Julie Webb

Title: Senior Regulatory Analyst Date: 11/15/2016 Email: jwebb@progressivepcs.net

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
401144393	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149545	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
1638300	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>					
401144308	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149522	CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149523	MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149531	MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149541	MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401149544	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	Changed top of cement from 1940 to 2130' per attached CBL.	04/12/2017
Permit	Received the correct directional survey from operator.	04/11/2017
Permit	waiting for the directional survey (cement job summary was sent instead), contacted operator	04/10/2017

Total: 3 comment(s)