

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:

400773378

Date Received:

01/19/2015

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: Kathleen Mills

Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2226

Address: 1625 BROADWAY STE 2200

Fax: (303) 228-4286

City: DENVER State: CO Zip: 80202

API Number 05-123-38848-00

County: WELD

Well Name: Rainbow

Well Number: LC28-78-1HNA

Location: QtrQtr: SESW Section: 28 Township: 9N Range: 59W Meridian: 6

Footage at surface: Distance: 340 feet Direction: FSL Distance: 1430 feet Direction: FWL

As Drilled Latitude: 40.714999 As Drilled Longitude: -103.987252

GPS Data:

Date of Measurement: 09/25/2014 PDOP Reading: 2.3 GPS Instrument Operator's Name: TAO SAGAPOLUTELE

** If directional footage at Top of Prod. Zone Dist.: 844 feet Direction: FSL Dist.: 973 feet Direction: FWL

Sec: 28 Twp: 9N Rng: 59W

** If directional footage at Bottom Hole Dist.: 675 feet Direction: FNL Dist.: 997 feet Direction: FWL

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) 08/21/2014 Date TD: 08/26/2014 Date Casing Set or D&A: 08/26/2014

Rig Release Date: 08/27/2014 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 10339 TVD** 6043 Plug Back Total Depth MD 10339 TVD** 6043

Elevations GR 4853 KB 4883 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

USIT, MUD, GR

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	130	80	0	130	VISU
SURF	13+3/4	9+5/8	36	0	630	314	0	630	VISU
1ST	8+3/4	7	26	0	6,432	531	890	6,432	CBL
1ST LINER	6+1/8	4+1/2	11.5	6321	10,324				

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	2,515				
PARKMAN	3,442				
SUSSEX	4,225				
SHANNON	4,548				
TEEPEE BUTTES	5,367				
NIOBRARA	6,234				

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: Kathleen Mills

Title: Regulatory Analyst Date: 1/19/2015 Email: kmills@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400773409	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400773412	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>					
400773378	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400773445	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400773464	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400773468	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774103	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774104	LAS-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774105	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774106	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774107	PDF-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400774108	LAS-GAMMA RAY	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Surface casing changed from 341sxs to 314sxs per cement ticket.	2/25/2015 1:29:24 PM

Total: 1 comment(s)