FORM 6 Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

DE	ET	OE	ES

Replug By Other Operator

Document Number: 401116857

Date Received: 09/22/2016

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 100322 Contact Name: Hunter Dunham

Name of Operator: NOBLE ENERGY INC Phone: (281) 253-6272

Address: 1625 BROADWAY STE 2200 Fax:

City: DENVER State: CO Zip: 80202 Email: hunter.dunham@nblenergy.com

For "Intent" 24 hour notice required, COGCC contact: Name: Pesicka, Conor Tel: (970) 415-0789 Email: conor.pesicka@state.co.us

API Number 05-123-05621-00

Well Name: LINDAHL Well Number: 1

Location: QtrQtr: SENW Section: 27 Township: 9N Range: 58W Meridian: 6

County: WELD Federal, Indian or State Lease Number:

Field Name: WILDCAT Field Number: 99999

☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.723460 Longitude: -103.852980

GPS Data:

Date of Measurement: 06/06/2016 PDOP Reading: 1.3 GPS Instrument Operator's Name: Trevor Daley

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems

☒ Other Re-enter well, plug with new cement

Casing to be pulled: ☐ Yes ☐ No Estimated Depth:

Fish in Hole: ☐ Yes ☐ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☐ No If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth

Total: 0 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	10+3/4	32.5	250	250	250	13	VISU

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #4: Depth _____ with _____ sacks cmt on top.

CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 40 sks cmt from 6300 ft. to 6200 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 100 sks cmt from 5600 ft. to 5500 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 40 sks cmt from 3150 ft. to 3050 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 1100 sacks half in. half out surface casing from 1500 ft. to 0 ft. Plug Tagged: ☒

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☐ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

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

Signed: _____ Print Name: Stephanie Dionne

Title: Engineering Tech Date: 9/22/2016 Email: stephanie.dionne@nblenergy.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SUTPHIN, DIRK Date: 11/1/2016

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 4/30/2017

COA Type	Description
	Prior to starting plugging operations, perform a Bradenhead Test. If pressure remains at the conclusion of the test or any liquids were present see Sampling Requirements below. Submit Form 17 within 10 days. Sampling requirements: If a well has a bradenhead pressure greater than 25 PSI and/or flowed liquids from the Bradenhead then sampling is required as follows: Collect a sample of both the production and bradenhead gas and submit for laboratory analysis of the gas composition and stable isotope analysis including the d13C1, d13C2, d13C3, d13IC4, d13NC4 d13IC5 , d13NC5, d13C6+ (if possible), and dDC1. Submit analytical results to the COGCC environmental database in an accepted Electronic Data Deliverable (EDD) format. If water is encountered in the bradenhead during testing then collect samples and submit for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO and dissolved gases (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. Data from bradenhead water samples shall be submitted to the COGCC environmental database in an accepted Electronic Data Deliverable (EDD) format.
	Note changes to submitted Form. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) See Engineer comments for additional information regarding plugs. 3) Properly abandon flowlines per Rule 1103. File Form 42 when done. 4) Abandoned well marker shall be inscribed with the well's legal location, well name and number, and API Number (Rule 319.a.(5)).

Attachment Check List

Att Doc Num	Name
401116857	FORM 6 INTENT SUBMITTED
401116864	LOCATION PHOTO
401116865	WELLBORE DIAGRAM
401116866	WELLBORE DIAGRAM
401116867	PROPOSED PLUGGING PROCEDURE
401116868	OTHER

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Engineer	Contacted operator (H.Dunham) and discussed changes to plugs in plugging procedure. Isolate zones listed below. D-sand and Nbrr plug depths would be dependent on ability to clean out to those depths. If unable to set D-Sand and Nbrr plugs at depths shown then set plugs in shale as close as possible to achieve isolation. * D-Sand (top 6310'): Set 40 sx at 6300-6200'. Operator had not proposed this plug but there is past D-Sand production in 2 wells S/2 34-9N-58W, 1.5 miles south. * Nbrr (top 5640'): Set 100 sx at 5600-5500'. Operator proposed 100 sx at 6000-5750'. Moved this plug up to approximately 50' above the Nbrr. * Hygiene Sand (3200-3530'): Set 40 sx at 3150-3050'. Operator proposed 100 sx at 4000-3750'. Moved it up to approximately 50' above the Hygiene and decreased the quantity to 40 sx. There is no oil & gas production or water well developed from this zone. Plug is optional. * U.Prre Sand (1000-1400'), surface casing 250', surface 50'. These are covered by the proposed 1100 sk plug 1500-0'. Operator may set separate plugs: 40 sx at 1500 -1400', 50 sx at 300-200' (tag 30' above shoe), 15 sx at 50' to surface. No WW's penetrate U.Prre Sand w/in 2 miles but at 3 miles and greater there are.	10/31/2016 10:02:31 AM
Permit	No completion or perforation data found in well file due to age of well (spud 1953). Permitting review complete.	9/23/2016 1:46:48 PM
Permit	Added as-built GPS data on the Well Info tab to reflect the data found in the as-built survey attached as "Other".	9/23/2016 1:38:42 PM
Public Room	Well file not found - 09/22/16	9/22/2016 2:33:41 PM

Total: 4 comment(s)