

Document Number:
 402565035
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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: Kevin Monaghan
 Name of Operator: NOBLE ENERGY INC Phone: (970) 3812990
 Address: 1001 NOBLE ENERGY WAY Fax: _____
 City: HOUSTON State: TX Zip: 77070 Email: kevin.monaghan@nblenergy.com

For "Intent" 24 hour notice required, Name: _____ Tel: _____
COGCC contact: Email: _____

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-34287-00
 Well Name: NORTHRUP C Well Number: 08-73HN
 Location: QtrQtr: NWNE Section: 8 Township: 4N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.333350 Longitude: -104.571570
 GPS Data: GPS Quality Value: 4.7 Type of GPS Quality Value: _____ Date of Measurement: 01/05/2012
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 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
NIOBRARA	7431	10355	10/28/2020	B PLUG CEMENT TOP	6792

Total: 1 zone(s)

Casing History

(Empty area for Casing History)

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
CONDUCTOR	18+1/2	16	NA	84		124	6	124	0	CALC
SURF	13+3/4	9+5/8	J55	36		680	356	680	0	VISU
1ST	8+3/4	7	HCP110	26		7293	555	7293	1780	CBL
1ST LINER	6+1/8	4+1/2	P110	11.6		10420				

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6792 with 20 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 95 sks cmt from 2500 ft. to 1993 ft. Plug Type: CASING Plug Tagged:
 Set 25 sks cmt from 815 ft. to 735 ft. Plug Type: CASING Plug Tagged:
 Set 21 sks cmt from 688 ft. to 606 ft. Plug Type: CASING Plug Tagged:
 Set 24 sks cmt from 677 ft. to 550 ft. Plug Type: CASING Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 838 ft. with 5 sacks. Leave at least 100 ft. in casing 815 CICR Depth
 Perforate and squeeze at 700 ft. with 4 sacks. Leave at least 100 ft. in casing 677 CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 (Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 35
 Surface Plug Setting Date: 11/04/2020 Cut and Cap Date: 12/09/2020

*Wireline Contractor: SPN *Cementing Contractor: SPN

Type of Cement and Additives Used: Class G Neat

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Procedure Modification Email Attached.
 Prod CSG Top Off 20 sxs, no Cement Ticket Available
 SFC CSG Top off 5 sxs, no Cement Ticket Available
 Form 17 DocNum: 402520182
 Form 42 DocNum: 402517876
 Form 43 DocNum: 402559287
 Form 44 DocNum: 402573801

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

Signed: _____ Print Name: Lauren Hoff
 Title: HSE Reg Affairs Coord Date: _____ Email: DenverRegulatory@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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

<u>COA Type</u>	<u>Description</u>

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402565099	CEMENT JOB SUMMARY
402565104	OTHER
402565105	WELLBORE DIAGRAM
402565106	WIRELINER JOB SUMMARY
402565724	CEMENT BOND LOG

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)