

Document Number:  
401750572

Date Received:  
08/31/2018

**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: Joe Brnak

Name of Operator: NOBLE ENERGY INC Phone: (970) 381-1234

Address: 1001 NOBLE ENERGY WAY Fax: \_\_\_\_\_

City: HOUSTON State: TX Zip: 77070 Email: joe.brnak@nblenergy.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_

**COGCC contact:** Email: \_\_\_\_\_

API Number 05-123-15754-00 Well Number: 6-25

Well Name: HSR-CROWE

Location: QtrQtr: SENW Section: 25 Township: 3N Range: 65W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon  Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.198014 Longitude: -104.614694

GPS Data:  
Date of Measurement: 11/25/2008 PDOP Reading: 3.0 GPS Instrument Operator's Name: Cody Mattson

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
CODELL	7080	7093	07/19/2018	B PLUG CEMENT TOP	6749
NIOBRARA	6799	6955	07/19/2018	B PLUG CEMENT TOP	6749

Total: 2 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	8+5/8	24	556	390	556	0	VISU
1ST	7+7/8	4+1/2	11.60	7,224	200	7,224	5,879	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6749 with 20 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
 CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #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 20 sks cmt from 6749 ft. to 6395 ft. Plug Type: CASING Plug Tagged:   
 Set 10 sks cmt from 4500 ft. to 3907 ft. Plug Type: CASING Plug Tagged:   
 Set 10 sks cmt from 2400 ft. to 1989 ft. Plug Type: CASING 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 4601 ft. with 235 sacks. Leave at least 100 ft. in casing 4500 CICR Depth  
 Perforate and squeeze at 2501 ft. with 155 sacks. Leave at least 100 ft. in casing 2400 CICR Depth  
 Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
 (Cast Iron Cement Retainer Depth)

Set 362 sacks half in. half out surface casing from 918 ft. to 10 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: 868 ft. 4+1/2 inch casing Plugging Date: 12/06/2016  
 of \_\_\_\_\_  
 \*Wireline Contractor: Casedhole Solutions \*Cementing Contractor: Basic Energy  
 Type of Cement and Additives Used: Class G Neat 15.8#  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

CUT AND CAP 12/6/16

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

Signed: \_\_\_\_\_ Print Name: Jan Barthel  
 Title: Engineering Technician Date: 8/31/2018 Email: jan.barthel@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: Strathman, Elliot Date: 3/30/2019

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401750572	FORM 6 SUBSEQUENT SUBMITTED
401750751	CEMENT JOB SUMMARY
401750752	OTHER
401750753	WELLBORE DIAGRAM
401750754	WIRELINER JOB SUMMARY
401750767	GYRO SURVEY

Total Attach: 6 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Agency	HAVE CUT AND CAP 12/6/16  FORM 7 UPDATED  PER CEMENT TICKET (1) DAY WAIT BETWEEN 2400 PLUG AND 918 PLUG	03/30/2019
Agency	emailed stephanie.dionne@nblenergy.com Please forward 3rd party ticket or opp summary verifying 6S COA: 2) Prior to placing the 918' plug: verify that all fluid migration (liquid or gas) has been eliminated. Please forward actual cut and cap date. Please update Form 7 PROD record for PA status of well for at least (1) month after actual cut and cap date.	01/10/2019

Total: 2 comment(s)