

Document Number:  
401073831

Date Received:  
07/06/2016

**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: JEANNE VANSLAMBROUCK

Name of Operator: NOBLE ENERGY INC Phone: (970) 304-5276

Address: 1625 BROADWAY STE 2200 Fax: \_\_\_\_\_

City: DENVER State: CO Zip: 80202 Email: JEANNE.VANSLAMBROUCK@NBLENERGY.COM

**For "Intent" 24 hour notice required,** Name: Peterson, Tom Tel: (303) 815-9641

**COGCC contact:** Email: tom.peterson@state.co.us

API Number 05-123-11693-00

Well Name: WERNING Well Number: #1-3

Location: QtrQtr: SWNE Section: 3 Township: 4N Range: 66W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 62650

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: 40.344270 Longitude: -104.759800

GPS Data:  
Date of Measurement: 01/16/2007 PDOP Reading: 2.3 GPS Instrument Operator's Name: Jeffery Rhoten

Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems

Other \_\_\_\_\_

Casing to be pulled:  Yes     No    Estimated Depth: 2500

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	7233	7248			
FORT HAYS	7218	7224			
J SAND	7659	7723			
NIOBRARA	6910	7127			

Total: 4 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	336	260	336	0	VISU
1ST	7+7/8	5+1/2	17	7,825	125	7,825	6,810	CBL
S.C. 1.1				4,680	225	4,680	4,372	CBL

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7609 with 2 sacks cmt on top. CIBP #2: Depth 6860 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 100 sks cmt from 2500 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:   
 Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ 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 6800 ft. with 71 sacks. Leave at least 100 ft. in casing 6700 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 310 sacks half in. half out surface casing from 436 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:  
 MIGHT BE EXISTING RETRIEVABLE BRIDGE PLUG @ 7330, 11/12/2004. IF NOT CONFIRMED WITH A TAG, SET FIRST CIBP @ 7609 W/ 2 SACKS CMT  
 NOTE DISCREPANCIES BETWEEN COGCC RPTS AND WELLFILE: TD 7845 OR 7825; PROD CSG SET DEPTHS 7825 OR 7819.

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

Signed: \_\_\_\_\_ Print Name: ANGELA FIORE  
 Title: ENG TECH Date: 7/6/2016 Email: ANGELA.FIORE@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: JENKINS, STEVE Date: 8/2/2016

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 2/1/2017

**COA Type****Description**

	<p>Note changes in Plugging Procedures:</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Moved the CIBP at 7330', to 7609', to match plugging procedures attached to the Intent.</p> <p>3) For the 436' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 286' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</p> <p>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>5) Prior to initiation of plugging operations, a Bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days.</p>
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**Attachment Check List****Att Doc Num****Name**

401073831	FORM 6 INTENT SUBMITTED
401073855	PROPOSED PLUGGING PROCEDURE
401073856	WELLBORE DIAGRAM
401073857	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments****User Group****Comment****Comment Date**

Engineer	Requested a CBL for cement verification. Received CBL, same as one on file.	7/14/2016 1:03:12 PM
Public Room	Document verification complete	7/7/2016 10:14:07 AM

Total: 2 comment(s)