



DE ET OE ES

Document Number:

400434496

Date Received:

06/24/2013

**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: Julie Webb  
 Name of Operator: NOBLE ENERGY INC Phone: (720) 587-2316  
 Address: 1625 BROADWAY STE 2200 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: juliewebb@nobleenergyinc.com

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

API Number 05-123-35960-01 Well Number: G16-69HCX  
 Well Name: Betz State PC  
 Location: QtrQtr: SESE Section: 9 Township: 4N 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: 40.321170 Longitude: -104.662010  
 GPS Data:  
 Date of Measurement: 01/09/2013 PDOP Reading: 1.8 GPS Instrument Operator's Name: PAUL TAPPY  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 7745  
 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
CONDUCTOR	26	16	84	96	6	96	0	VISU
SURF	13+3/4	9+5/8	36	713	366	713	0	VISU
1ST	8+3/4	7	26	7,518	625	7,518	1,930	CBL
OPEN HOLE	6+1/8			7,745			6,900	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6900 with 2 sacks cmt on top. CIBP #2: Depth 6800 with 2 sacks cmt on top.  
 CIBP #3: Depth 850 with 2 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 6262 ft. to 6797 ft. Plug Type: CASING Plug Tagged:   
 Set 100 sks cmt from 2465 ft. to 3000 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:   
 Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:   
 Perforate and squeeze at 783 ft. with 50 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 150 sacks half in. half out surface casing from 780 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: 05/02/2013  
 \*Wireline Contractor: Nabors Well Service \*Cementing Contractor: Bison Oil Well Cementing  
 Type of Cement and Additives Used: G Neat cement, -15.8 bbls @1.15 yeild  
 Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

4/5/13: Tag CIBP @ 6900'. RIH w/#1 7" set plug @ 6800'. RIH dump bailer 2 sx on plug. 4/25/13: Tag TOC @ 6797' w/221 jts. Set a 100 sk plug of class G neat cement mixed at 15.8 ppg from 6797' to 6262'. Set a second plug of 100 sk of class G neat cement mixed at 15.8 ppg from 3000' to 2465'. Pull 30 stds and lay down 37 jts tubing. 4/26/13: RIH shot 4 sqz holes @783. TIH w/ 7" packer set @ 1090'. Pressure up to 300#. RIH shot 4 sqz holes @ 830'. TIH w/ packer set @ 790'. Release packer POOH. 4/29/13: Pressure test lines. Pump 6 bbls fresh ahead slurry of 50 sks 15.2# 1.27 yield cement from 830' to 783'. 4/30/13: RIH w/ 6 1/8" cone bit 2 7/8" yellow band tbg. Tagged fill @ 702'. RIH Run CBL from 1000' to 60'. Cement coverage looks good according to John Montoya COGCC/Office. 5/1/13: RIH w/7" CIBP set @ 850' pull off plug. Pumped 15.2# 1.27 yield, 150 sks G-neat cement down tbg until slurry was visually seen at surface.

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

Signed: \_\_\_\_\_ Print Name: Julie Webb  
 Title: Regulatory Analyst Date: 6/24/2013 Email: juliewebb@nobleenergyinc.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: BURN, DIANA Date: 9/14/2013

**CONDITIONS OF APPROVAL, IF ANY:**

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400434496	FORM 6 SUBSEQUENT SUBMITTED
400434525	CEMENT JOB SUMMARY
400435562	CEMENT JOB SUMMARY
400438030	CEMENT BOND LOG
400438062	WELLBORE DIAGRAM
400438063	WELLBORE DIAGRAM

Total Attach: 6 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)