

Document Number:  
401229026

Date Received:  
03/09/2017

**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: 69175 Contact Name: Kelsi Welch

Name of Operator: PDC ENERGY INC Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_

City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

**For "Intent" 24 hour notice required,** Name: Pesicka, Conor Tel: (970) 415-0789

**COGCC contact:** Email: conor.pesicka@state.co.us

API Number 05-123-22231-00

Well Name: WELLS RANCH Well Number: 13-33

Location: QtrQtr: NWSW Section: 33 Township: 6N Range: 63W 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: 40.441140 Longitude: -104.449170

GPS Data:  
Date of Measurement: 03/05/2007 PDOP Reading: 1.9 GPS Instrument Operator's Name: Holly L. Tracy

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	6812	6823			
NIOBRARA	6535	6645			

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	411	330	411	0	
1ST	7+7/8	4+1/2	10.5	6,977	445	6,977	2,126	CBL
S.C. 1.1				2,114	297	2,114	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6485 with 2 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 60 sks cmt from 650 ft. to 0 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:   
 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 \_\_\_\_\_ 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 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:

Wells Ranch 13-33 (05-123-22231)/Plugging Procedure (Intent)  
 Producing Formation: Codell 6812'-6823' Niobrara 6535'-6645'  
 TD: 6986' PBTD: 6939'  
 Surface Casing: 8 5/8" 24# @ 411' w/ 330 sxs.  
 Production Casing: 4 1/2" 10.5 & 11.6# @ 6977' w/ 445 sks cmt (TOC at 2126' - CBL)  
 Annular fill 2114' to surface with 297 sxs. (CBL)

Tubing: 2 3/8" tubing set at 6795'. (6/23/2011)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6485'. Top with 2 sxs 15.8#/gal cement.
4. TIH with tubing. Set tubing at 625'. RU cementing company. Mix and pump 60 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
5. Cut surface casing 6' below ground level and weld on cap.

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

Signed: \_\_\_\_\_ Print Name: Kelsi Welch  
 Title: Production Tech Date: 3/9/2017 Email: kelsi.welch@pdce.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: 3/15/2017

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 9/14/2017

**COA Type**

**Description**

**Attachment Check List**

**Att Doc Num**

**Name**

401229026	FORM 6 INTENT SUBMITTED
401229034	WELLBORE DIAGRAM
401229035	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Agency	1)Note change in plugging procedure; 625' plug has been changed to 650' to place it 50 feet below the deepest water well within 1 mile. Adjust cement volume accordingly. 2)Prior to starting plugging operations a bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, contact COGCC Engineer for sampling requirements. If pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test. 3)Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 4)Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 5)For 816' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 516' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.	03/15/2017
Public Room	Document verification complete 03/09/17	03/09/2017

Total: 2 comment(s)