

Document Number:  
401044910

Date Received:  
05/11/2016

**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: 69175 Contact Name: Jenifer Hakkarinen  
 Name of Operator: PDC ENERGY INC Phone: (303) 8605800  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Email: JEnifer.Hakkarinen@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 05-123-20694-00 Well Number: # 24-28  
 Well Name: STATE 6524  
 Location: QtrQtr: SESW Section: 28 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: 40.452060 Longitude: -104.444420  
 GPS Data:  
 Date of Measurement: 06/30/2007 PDOP Reading: 2.1 GPS Instrument Operator's Name: Holly L. Tracy  
 Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems  
 Other Holes in casing  
 Casing to be pulled:  Yes     No    Estimated Depth: 570  
 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	6782	6788	04/06/2016	B PLUG CEMENT TOP	6730

Total: 1 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	365	255	365	0	VISU
1ST	7+7/8	4+1/2	10.5	6,991	390	6,991	3,534	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6400 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 \_\_\_\_\_ 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:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 2322 ft. with 500 sacks. Leave at least 100 ft. in casing 2200 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 250 sacks half in. half out surface casing from 700 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:

State 6524 #24-28 (05-123-20694/Plugging Procedure (Intent)  
Producing Formation: Codell 6782'-6788'  
TD: 7040' PBD: 6949'  
Surface Casing: 8 5/8" 24# @ 365' w/ 255 sxs.  
Production Casing: 4 1/2" 10.5# @ 6991' w/ 390 sks cmt (TOC 3534' CBL).

Existing CIBP: Set at 6730' with 2 sxs cmt.

Tubing: 2 3/8" 4.7#/ft J-55 set at 6635'.

Proposed Procedure:

1. MIRU RU pulling unit. RU wireline company.
2. TIH with CIBP. Set BP at 6400'. Top with 2 sxs 15.8#/gal CI G cement.
3. TIH with cement retainer. Set cement retainer at 2200'.
4. TIH with tubing. Sting into retainer and pump 500 sxs of 15.8#/gal CI G cement. Displace cement to top of retainer. Sting out of retainer.
5. TIH with casing cutter. Cut 4 1/2" casing at 570'. Recover 4 1/2" casing.
6. TIH with tubing to 620'. Mix and pump 250 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
7. 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: Jenifer Hakkarinen

Title: Reg Tech Date: 5/11/2016 Email: Jenifer.Hakkarinen@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: HICKEY, MIKE

Date: 12/1/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 5/31/2017

<b>COA Type</b>	<b>Description</b>
	Submit documentation of CIBP at 6730 with 6S.
	1)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 of the test. 2)Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 3)Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 4)For 700' plug: Cut casing between 650' and 750', 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 315' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401044910	FORM 6 INTENT SUBMITTED
401044942	WELLBORE DIAGRAM
401044943	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Moved the surface casing shoe plug down from 620 between 650 and 750 at the operator's request.	11/21/2016
Public Room	Document verification complete 05/13/16	05/13/2016

Total: 2 comment(s)