

Document Number:  
401396052

Date Received:  
09/06/2017

**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: 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: Gomez, Jason Tel: (970) 573-1277

**COGCC contact:** Email: jason.gomez@state.co.us

API Number 05-123-23079-00

Well Name: DILLARD Well Number: 44-20

Location: QtrQtr: SESE Section: 20 Township: 7N Range: 64W 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: 40.552890 Longitude: -104.565810

GPS Data:  
Date of Measurement: 07/28/2006 PDOP Reading: 2.6 GPS Instrument Operator's Name: H.L. Tracy

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 750

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	7145	7155			

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	533	295	533	0	VISU
1ST	7+7/8	4+1/2	10.5	7,345	470	7,345	3,212	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7095 with 2 sacks cmt on top. CIBP #2: Depth 6795 with 2 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 240 sks cmt from 800 ft. to 0 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 \_\_\_\_\_ 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. \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
 of \_\_\_\_\_  
 \*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:

Dillard 44-20 (05-123-23079)/Plugging Procedure (Intent)  
 Producing Formation (Perforations): Codell: 7145'-7155'  
 TD: 7363' PBTD: 7306'  
 Surface Casing: 8 5/8" 24# @ 533' w/ 295 sxs  
 Production Casing: 4 1/2" 10.5# @ 7345' w/ 470 sxs cmt (TOC @ 3212' - CBL).  
 Tubing: 2 3/8" tubing set @ 7132' (2/21/2014).  
 Proposed Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company.  
 3. TIH with CIBP. Set BP at 7095'. Top with 2 sxs 15.8#/gal CI G cement.  
 4. TIH with CIBP. Set BP at 6795'. Top with 2 sxs 15.8#/gal CI G cement.  
 5. TIH with casing cutter. Cut 4 1/2" casing at 750'. Pull cut casing.  
 6. TIH with tubing to 800'. RU cementing company. Mix and pump 240 sxs 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: 9/6/2017 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.

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 3/20/2018

<b>COA Type</b>	<b>Description</b>
	Prior to starting plugging operations a bradenhead test shall be performed. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. The Form 17 shall be submitted within 10 days of the test.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 3) For 800' plug: After it has been verified all fluid migration (liquid or gas) has been eliminated, 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 483' 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>
401396052	FORM 6 INTENT SUBMITTED
401396067	WELLBORE DIAGRAM
401396069	GYRO SURVEY
401396070	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Public Room	Document verification complete	09/14/2017

Total: 1 comment(s)