

Document Number:  
400962270

Date Received:  
12/31/2015

**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 05-123-24014-00

Well Name: CECIL Well Number: 31-26

Location: QtrQtr: NWNE Section: 26 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: 40.549750 Longitude: -104.514440

GPS Data:  
Date of Measurement: 09/29/2006 PDOP Reading: 1.9 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: \_\_\_\_\_

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	7040	7050	11/09/2015	B PLUG CEMENT TOP	6700
NIOBRARA	6752	6878	11/09/2015	B PLUG CEMENT TOP	6700

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+1/2	8+5/8	24	587	325	587	0	
1ST	7+7/8	4+1/2	10.5	7,229	810	7,229	0	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 \_\_\_\_\_ 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 70 sacks half in. half out surface casing from 800 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:

Cecil #31-26 (05-123-24014)/Plugging Procedure (Intent)  
Producing Formation: Abandoned Nobrara-Codell  
Abandoned Perforations: Niobrara 6752'-6878' Codell 7040'-7050'  
Existing CIBP: Set at 6700' with 2 sxs cement  
TD: 7244' PBD: 7200'  
Surface Casing: 8?" 24# @ 587' w/ 325 sks cmt.  
Production Casing: 4½" 10.5# @ 7229' w/ 810 sks cmt (TOC @ Surface - CBL).  
Note: Production casing was pressure tested to 500 psi on 11/6/2015.

Tubing: 2?" 9.7# tubing at 6671'. (11/9/2015).

Proposed Procedure:

1. MIRU wireline company. Run gyro survey.
2. MIRU pulling unit. Pull and reset 2?" tubing at 800'.
3. Mix and pump 70 sxs of 15.8#/gal CI G cement. Cement should circulate to surface.
4. 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: 12/31/2015 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: 1/19/2016

**CONDITIONS OF APPROVAL, IF ANY:**Expiration Date: 7/18/2016**COA Type****Description**

1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.  
 2) For 800' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 537' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.  
 3) Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42.

**Attachment Check List****Att Doc Num****Name**

400962270	FORM 6 INTENT SUBMITTED
400962273	WELLBORE DIAGRAM
400962274	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Permit tast complete.	1/5/2016 3:17:33 PM
Public Room	Document verification complete 01/04/16	1/4/2016 3:11:26 PM

Total: 2 comment(s)