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400813121

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03/23/2015

**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: Rains, Bill Tel: (970) 590-6480

**COGCC contact:** Email: bill.rains@state.co.us

API Number 05-123-20876-00

Well Name: STATE 6524 Well Number: 11-28

Location: QtrQtr: NWNW 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: 40.462500 Longitude: -104.449140

GPS Data:  
Date of Measurement: 07/02/2007 PDOP Reading: 2.2 GPS Instrument Operator's Name: Holly L. Tracy

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

Casing to be pulled:  Yes  No Estimated Depth: 2850

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    | 6780      | 6788      |                |                     |            |

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              | 366           | 200          | 366        | 0          |        |
| 1ST         | 7+7/8        | 4+1/2          | 10.5            | 6,956         | 400          | 6,956      | 2,956      |        |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6730 with 20 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 110 sks cmt from 6500 ft. to 4900 ft. Plug Type: CASING Plug Tagged:   
Set 50 sks cmt from 2750 ft. to 3050 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:   
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 200 sacks half in. half out surface casing from 600 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:

Plugging Procedure  
Codell  
Existing Perforations:  
Codell: 6780'-6788'  
PBTD: 6956'  
8 5/8" 24# @ 366' w/ 200 sks cmt  
4 1/2" 10.5# @ 6956' w/ 400 sks cmt (TOC @ 2956')  
Procedure:  
1. MIRU wireline  
2. RIH set CIBP @ 6730'  
3. RIH w/dump bailer and dump 20 sx cement on top of CIBP @ 6730' to cover 50' above Niobrara (6495'-6730')  
4. TOH set 110 sk balance plug @ Parkman/Sussex (3500'-4900')  
5. RIH w/ casing cutter, cut @ 2850'  
6. TIH set 50 sk stub plug (2750'-3050')  
7. TOH and set 200 sack cement plug half in half out of surface casing from 600' to surface  
8. Cut casing 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: Regulatory TEch Date: 3/23/2015 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: 3/24/2015

**CONDITIONS OF APPROVAL, IF ANY:**Expiration Date: 9/23/2015**COA Type****Description**

|  |   |
|--|---|
|  | 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.<br>2) For 600' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 316' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.<br>3) Properly abandon flowlines as per Rule 1103. Once flowlines are properly abandoned, file electronic form 42. |
|--|---|

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

|           |                         |
|-----------|-------------------------|
| 400813121 | FORM 6 INTENT SUBMITTED |
| 400813140 | WELLBORE DIAGRAM        |
| 400813142 | WELLBORE DIAGRAM        |

Total Attach: 3 Files

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

|        |  |                          |
|--------|--|--------------------------|
| Permit | 1200108 Completed Interval Report 07/25/2003 | 3/23/2015<br>12:44:49 PM |
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Total: 1 comment(s)