

Document Number:  
401088473

Date Received:

**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: Helgeland, Gary Tel: (970) 216-5749  
 COGCC contact: Email: gary.helgeland@state.co.us

API Number 05-001-08874-00 Well Number: 4  
 Well Name: DEGENHART  
 Location: QtrQtr: SWSE Section: 5 Township: 1S Range: 67W Meridian: 6  
 County: ADAMS 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: 39.989722 Longitude: -104.908056  
 GPS Data:  
 Date of Measurement: 01/26/2010 PDOP Reading: 2.2 GPS Instrument Operator's Name: Robert Girillego  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1250  
 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
J SAND	8382	8410			
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	307	215	307	0	
1ST	7+7/8	4+1/2	11.6	8,510	500	8,510	6,970	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8332 with 2 sacks cmt on top. CIBP #2: Depth 7950 with 2 sacks cmt on top.  
 CIBP #3: Depth 7480 with 2 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 5200 ft. with 225 sacks. Leave at least 100 ft. in casing 4600 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 480 sacks half in. half out surface casing from 1300 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:

Degenhart 4 (05-001-08874)/Plugging Procedure (Intent)  
 Producing Formation: J Sand 8382'-8410'  
 TD: 8510' PBD: 8460'  
 Surface Casing: 8 5/8" 24# @ 307' w/ 215 sxs.  
 Production Casing: 4 1/2" 11.6# N-80 @ 8510' w/ 500 sks cmt  
 (TOC 6970' CBL. DV tool at 1335' -never opened).

Tubing: 2 3/8" tubing set at 8340'. (5/22/2008)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 8332'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7950'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 7480'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with perforating gun. Perforate 4 squeeze holes at 5200'.
7. TIH with cement retainer. Set retainer at 4600'.
8. TIH with tubing. Sting into retainer at 4600'. Mix and pump 225 sxs 15.8#/gal CI G cement down tubing. Displace cement to top of retainer. TOOH with tubing.
9. TIH with casing cutter. Cut 4 1/2" casing at 1250'. Recover 4 1/2" casing.
10. TIH with tubing to 1300'. Mix and pump 480 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
11. 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

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: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: \_\_\_\_\_

<b>COA Type</b>	<b>Description</b>

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401088481	WELLBORE DIAGRAM
401088482	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>

Total: 0 comment(s)