

Document Number:  
401265596

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: 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: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_

**COGCC contact:** \_\_\_\_\_

API Number 05-123-22366-00 Well Number: 30-33  
 Well Name: SHULTZ FARM  
 Location: QtrQtr: NWSE Section: 30 Township: 4N Range: 67W 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: 40.282530 Longitude: -104.929860  
 GPS Data:  
 Date of Measurement: 07/29/2010 PDOP Reading: 1.5 GPS Instrument Operator's Name: Steve Cure  
 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
NIOBRARA-CODELL	7028	7325	03/13/2017	B PLUG CEMENT TOP	7265

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	413	290	413	0	VISU
1ST	7+7/8	4+1/2	11.6	7,479	480	7,479	3,670	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7265 with 2 sacks cmt on top. CIBP #2: Depth 6973 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 244 sks cmt from 715 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: 613 ft. of 4+1/2 inch casing Plugging Date: 03/13/2017  
 \*Wireline Contractor: Ranger \*Cementing Contractor: Ranger  
 Type of Cement and Additives Used: 15.8 PPG CL G Neat Cement  
 Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Shultz Farm #30-33 (05-123-22366)/Plugging Procedure  
 Producing formation: Niobrara/Codell  
 Existing Perforations: Niobrara/Codell - 7,028'-7,325'  
 TD: 7,479' PBTD: 7,431'  
 Surface Casing: 8 5/8" 24# @ 413' w/ 290 sks cmt.  
 Production Casing: 4 1/2" 11.6# @ 7479' w/210 sks HLC Lead, 120 sx HLC middle cmt, 150 sx Tail cmt (TOC at 3,670').  
 Production Tubing: no recent record – Initial Completion (3/2005) indicates 238 jts 2 7/8" set at 7309.35', daily report from 11/2/2005 indicated tubing parted and fishing unsuccessful.

- Procedure:
1. MIRU pulling unit.
  2. Blow down to tanks. Load with fluid to kill well.
  4. Rig up wireline. RIH with CIBP. Set CIBP at 7,265'.
  5. Load dump bailer with 2sx of 15.8#/gal CI G cement. TIH with dump bailer and spot on top of CIBP.
  6. Rig up wireline. RIH with CIBP. Set CIBP at 6,973'.
  7. Load dump bailer with 2sx of 15.8#/gal CI G cement. TIH with dump bailer and spot on top of CIBP.
  8. RIH w/ casing cutter and cut casing at 613'. Pull casing out of hole.
  9. TIH with workstring to 715'. Circulate and condition well in preparation to pump cement stub plug.
  10. RU cementers. Mix and pump 715' of cement with 244 sks of 15.8#/gal CL G cement. Cement 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: Jenifer Hakkarinen

Title: Reg Tech

Date:

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: \_\_\_\_\_

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

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

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**Attachment Check List**

**Att Doc Num**

**Name**

401265611	WELLBORE DIAGRAM
401265614	WIRELINE JOB SUMMARY
401265618	CEMENT JOB SUMMARY

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)