

Document Number:  
402860048

Date Received:  
11/02/2021

**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: Valerie Danson  
 Name of Operator: PDC ENERGY INC Phone: (970) 506-9272  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_

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

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number 05-123-14039-00  
 Well Name: VONFELDT Well Number: 13-12  
 Location: QtrQtr: SWSW Section: 12 Township: 6N Range: 65W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 56191  
 Field Name: GREELEY Field Number: 32760

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.495307 Longitude: -104.618470  
 GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 02/04/2010

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	7064	7074	07/21/2021	B PLUG CEMENT TOP	7014

Total: 1 zone(s)

**Casing History**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	24	0	318	220	318	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7175	160	7175	6000	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7014 with 2 sacks cmt on top. CIBP #2: Depth 6738 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 10 sks cmt from 3376 ft. to 3245 ft. Plug Type: CASING Plug Tagged:   
 Set 100 sks cmt from 1663 ft. to 1410 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 3562 ft. with 76 sacks. Leave at least 100 ft. in casing 3377 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 430 sacks half in. half out surface casing from 717 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: 1610 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 42  
 Surface Plug Setting Date: 07/22/2021 Cut and Cap Date: 09/02/2021

\*Wireline Contractor: SureFire Wireline Services \*Cementing Contractor: DUCO Inc. Cementing Services  
 Type of Cement and Additives Used: Class G 15.8 PPG Cement  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

#### Technical Detail/Comments:

Vonfeldt 13-12 (05-123-14039) Plugging Procedure  
 Producing Formation: Codell: 7064'-7074'

Upper Pierre Aquifer: 500'-1510'

Deepest Water Well: 400'

TD: 7181' PBSD: 7161' (9/24/2014)

Surface Casing: 8 5/8" 24# @ 318' w/ 220 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7175' w/ 160 sxs (TOC @ 6000' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" Tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7014'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7064')
4. TIH with CIBP. Set BP at 6738'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6788')
5. Ran a CBL from 3700' to Surface.
6. TIH with perf gun. Shoot lower squeeze holes at 3562' and upper squeeze holes at 3362'.
7. TIH with CICR. Set CICR at 3377'. RU cementing company. Sting in and pump (until pressures out) 86 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 86 sxs) cement on top of CICR. (Top of Parkman @ 3612') TOC at 3245'.
8. TIH with casing cutter. Cut 4 1/2" casing @ 1610'. Pull cut casing.
9. TIH with tubing to 1663'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1660'-1410') TOC at 1410'.
10. Pick up tubing to 717'. Mix and pump 430 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
11. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Valerie Danson  
 Title: Reg Tech Date: 11/2/2021 Email: valerie.danson@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: Jacobson, Eric Date: 12/15/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

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

**Attachment List**

<b>Att Doc Num</b>	<b>Name</b>
402860048	FORM 6 SUBSEQUENT SUBMITTED
402860338	CEMENT BOND LOG
402860339	CEMENT JOB SUMMARY
402860340	OTHER
402860341	OPERATIONS SUMMARY
402860343	WELLBORE DIAGRAM

Total Attach: 6 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
		Stamp Upon Approval

Total: 0 comment(s)