

Document Number:  
**402573098**

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: 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: Serna, Abe Tel: (720) 661-7317  
**COGCC contact:** Email: abe.serna@state.co.us

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

API Number 05-123-14085-00  
 Well Name: MILLER Well Number: 33-24  
 Location: QtrQtr: NWSE Section: 24 Township: 6N Range: 65W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 56009  
 Field Name: GREELEY Field Number: 32760

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

Latitude: 40.469250 Longitude: -104.608530  
 GPS Data: GPS Quality Value: 1.8 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 08/17/2010

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

Casing to be pulled:  Yes  No Estimated Depth: 2500  
 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-FT HAYS-CODELL	6638	6962			

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	300	175	300	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7115	220	7115	6150	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6588 with 2 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 10 sks cmt from 3334 ft. to 3203 ft. Plug Type: CASING Plug Tagged:   
 Set 100 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 100 sks cmt from 1530 ft. to 1330 ft. Plug Type: OPEN HOLE 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 3520 ft. with 76 sacks. Leave at least 100 ft. in casing 3335 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 188 sacks half in. half out surface casing from 500 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_  
 Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

#### Technical Detail/Comments:

Miller 33-24 (05-123-14085)/Plugging Procedure (Intent)  
 Producing Formation: Niobrara/Ft Hays/Codell: 6638'-6962'  
 Upper Pierre Aquifer: 400'-1430'  
 TD: 7122' PBD: 6988' (10/8/14)  
 Surface Casing: 8 5/8" 24# @ 300' w/ 175 sxs cmt  
 Production Casing: 4 1/2" 11.6# @ 7115' w/ 220 sxs cmt (TOC @ 6150' - CBL)  
 Tubing: 2 3/8" tubing set @ 6934' (10/8/14)  
 Proposed Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company  
 3. TIH with CIBP. Set BP at 6588'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 6638')  
 4. TIH with perf gun. Shoot lower squeeze holes at 3520' and upper squeeze holes at 3320'.  
 5. TIH with CICR. Set CICR at 3335'. RU cementing company. Sting in and pump 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 @ 3570')  
 6. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.  
 7. TIH with tubing to 2550'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 2550'-2300')  
 8. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations.  
 9. TIH with tubing to 1530'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1530'-1330')  
 10. Pick up with tubing to 500'. Mix and pump 188 sxs 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: Valerie Danson

Title: Reg Tech

Date:

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: \_\_\_\_\_

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

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

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

**COA Type**

**Description**

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**Attachment List**

**Att Doc Num**

**Name**

402573115	WELLBORE DIAGRAM
402573116	WELLBORE DIAGRAM
402586662	WELLBORE DIAGRAM
402586663	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Permit	Received email from operator; well has Fort Hays perms that were never reported. Returned to draft at operator request so WBDs can be corrected.	01/19/2021
Permit	Verified as-drilled GPS. Perf information in the well file inadequate; requested 5A with missing data from Operator. Verified production reporting. Permitting review complete.	01/15/2021

Total: 2 comment(s)