

Document Number:  
400994827

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: Gomez, Jason Tel: (970) 573-1277  
 COGCC contact: Email: jason.gomez@state.co.us

API Number 05-123-12429-00 Well Number: 23-33  
 Well Name: MOSER  
 Location: QtrQtr: NESW Section: 33 Township: 5N Range: 67W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 68883  
 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: 40.353920 Longitude: -104.900420  
 GPS Data:  
 Date of Measurement: 10/08/2010 PDOP Reading: 1.6 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
CODELL	6940	6964	12/23/2015	B PLUG CEMENT TOP	6556
NIOBRARA	6606	6830	12/23/2015	B PLUG CEMENT TOP	6556
J SAND	7398	7432	12/23/2015	B PLUG CEMENT TOP	7348

Total: 3 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	348	250	348	0	
1ST	7+7/8	4+1/2	11.6	7,603	525	7,603	5,694	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 600 with \_\_\_\_\_ 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 180 sks cmt from 4100 ft. to 4500 ft. Plug Type: CASING 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 550 ft. with 220 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: \_\_\_\_\_ 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:

Moser #23-33 (05-123-12429)/Plugging Procedure (Intent)  
Plugged Back Formation: Niobrara 6606'-6830' Codell 6940'-6964' J Sand 7398'-7432'  
Existing CIBP's: Set at 7348' w/ 2 sxs cmt and at 6556' w/ 2 sxs cmt.  
TD: 7604' PBTD: 6536'  
Surface Casing: 8?" 24# J-55 @ 348' w/ 250 sxs.  
Production Casing: 4½" 11.6# K-55 @ 7603' w/ 525 sks cmt (TOC 5694' Calculated).

Tubing: 2?" 4.7# EUE set at 6320'. (12/28/2015)

#### Proposed Procedure:

1. MIRU RU pulling unit. Pull and reset tubing at 4500'.
2. RU cementing company. Mix and pump a 180 sx balanced plug of 15.8#/gal CI G cement at 4500'.
3. RU wireline company. TIH with CIBP. Set bridge plug at 600'. Because this plug is being set only to eliminate WOC time, do not spot 2 sxs cement on top of CIBP.
4. TIH with perforating gun. Perforate 4 squeeze holes at 550'.
5. Mix and pump 220 sxs of 15.8#/gal CI G cement down 4 ½" casing. Cement should circulate to surface.
6. 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:** \_\_\_\_\_

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

**COA Type**

**Description**

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**Attachment Check List**

**Att Doc Num**

**Name**

400994850	WELLBORE DIAGRAM
400994851	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

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Total: 0 comment(s)