

FORM  
6Rev  
05/18

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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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: Montoya, John

Tel: (970) 397-4124

**COGCC contact:**

Email: john.montoya@state.co.us

API Number 05-123-13466-00

Well Name: ROTH

Well Number: 5-30

Location: QtrQtr: SWNW Section: 30 Township: 6N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68491

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: 40.458219

Longitude: -104.599331

GPS Data:

Date of Measurement: 02/05/2010

PDOP Reading: 1.8

GPS Instrument Operator's Name: Brandon Lucason

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1600

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	6632	6831			
CODELL	6923	6937	08/12/2008	B PLUG CEMENT TOP	6905

Total: 2 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	320	215	320	0	VISU
1ST	7+7/8	4+1/2	15.1	7,069	220	7,069	5,854	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6582 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 255 sks cmt from 1715 ft. to 1300 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 335 sks cmt from 520 ft. to 0 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 3800 ft. with 284 sacks. Leave at least 100 ft. in casing 3415 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. \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

#### Technical Detail/Comments:

Roth 5-30 (05-123-13466)/Plugging Procedure (Intent)  
Producing Formation: Codell: 6923'-6937' Niobrara: 6632'-6831'  
Upper Pierre Aquifer: 408'-1410'  
TD: 7069' PBD: 6903'

Surface Casing: 8 5/8" 24# @ 320' w/ 215 sxs  
Production Casing: 4 1/2" 15.1# @ 7069' w/ 220 sxs cmt (TOC @ 5854' - CBL).  
Existing CIBP @ 6905' w/ 1 sxs cmt (8/12/2008).

Tubing: 2 3/8" tubing set @ 6620.2' (9/26/2014).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6582'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with perf gun. Shoot lower squeeze holes at 3800' and shoot upper squeeze holes at 3400' for Parkman coverage.
5. Set CICR at 3415'. RU cementing company. Sting in and pump 274 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs on top of CICR.
6. TIH with casing cutter. Cut 4 1/2" casing at 1600'. Pull cut casing.
7. TIH with tubing to 1715'. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (Pierre aquifer coverage from 1715'-1300').
8. Pick up tubing to 520'. Mix and pump 335 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
9. 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

### Attachment Check List

Att Doc Num	Name
401814803	WELLBORE DIAGRAM
401814804	WELLBORE DIAGRAM
401814805	GYRO SURVEY

Total Attach: 3 Files

### General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)