

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 05-123-19318-00

Well Name: EHRlich

Well Number: 14-32

Location: QtrQtr: SWSW Section: 32 Township: 6N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 59086

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: 40.437060

Longitude: -104.581640

GPS Data:

Date of Measurement: 01/16/2009

PDOP Reading: 1.7

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

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

Estimated Depth: 1500

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	6905	6915	01/24/2017	BRIDGE PLUG	6594
NIOBRARA	6644	6740	01/24/2017	BRIDGE PLUG	6594

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	370	260	370	0	VISU
1ST	7+7/8	3+1/2	7.7	7,120	150	7,120	6,216	CBL
S.C. 1.1				3,740	160	3,740	3,280	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6594 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 252 sks cmt from 1615 ft. to 1200 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 350 sks cmt from 570 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 \_\_\_\_\_ 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: \_\_\_\_\_ 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:

Ehrlich 14-32 (05-123-19318)/Plugging Procedure (Intent)  
Producing Formation: Codell: 6905'-6915' Niobrara: 6644'-6740'  
Upper Pierre Aquifer: 401'-1390'  
TD: 7125' PBD: 7095'

Surface Casing: 8 5/8" 24# @ 370' w/ 260 sxs cmt

Production Casing: 3 1/2" 7.7# @ 7120' w/ 150 sxs cmt (TOC @ 6216' - CBL).

2nd stage cmt @ 3740' w/ 160 sxs cmt (TOC @ 3280' - CBL).

Existing RBP @ 6594' w/ 2 sxs sand ( 1/24/2017).

Tubing: No tubing.

Proposed Procedure:

1. TIH with tubing.
2. Tag top of sand and cleanout to existing RBP @ 6594'.
3. Release RBP @ 6594'. TOOH with tubing with RBP.
4. RU wireline company.
5. TIH with CIBP. Set BP at 6594'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 3 1/2" casing at 1500'. Pull cut casing.
7. TIH with tubing to 1615'. RU cementing company. Mix and pump 252 sxs 15.8#/gal CI G cement with 2% CaCl down tubing. (Pierre coverage from 1615'-1200').
8. Pickup tubing to 570'. Mix and pump 350 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.
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

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### Attachment Check List

Att Doc Num Name

401784857	WELLBORE DIAGRAM
401784858	WELLBORE DIAGRAM
401784860	GYRO SURVEY

Total Attach: 3 Files

### General Comments

User Group Comment Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)