

FORM  
6Rev  
12/05

# 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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Document Number:

401471690

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: O'Donnell, Shaun

Tel: (720) 305-8280

**COGCC contact:**

Email: shaun.odonnell@state.co.us

API Number 05-123-26194-00

Well Name: ZIMMERMAN

Well Number: 21D-17U

Location: QtrQtr: SENW

Section: 17

Township: 5N

Range: 67W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

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: 40.400970

Longitude: -104.919000

GPS Data:

Date of Measurement: 01/22/2008

PDOP Reading: 3.0

GPS Instrument Operator's Name: HOLLY TRACY

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

Estimated Depth: 1150

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
J SAND	8024	8046			

Total: 1 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	947	670	947	0	VISU
1ST	7+7/8	4+1/2	10.5	8,143	230	8,143	6,620	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7974 with 2 sacks cmt on top. CIBP #2: Depth 7181 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 490 sks cmt from 1200 ft. to 0 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: ☐  
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. 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:

Zimmerman 21D-17U (05-123-26194)/Plugging Procedure (Intent)  
Producing Formation (Perforations): J-Sand: 8024'-8046'  
TD: 8163' PBD: 8127'  
Surface Casing: 8 5/8" 24# @ 947' w/ 670 sxs  
Production Casing: 4 1/2" 10.5# @ 8143' w/ 230 sxs cmt (TOC @ 6620' - CBL).

Tubing: 2 3/8" tubing set @ 8013' (8/6/2014).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
  2. RU wireline company.
  3. TIH with CIBP. Set BP at 7974'. Top with 2 sxs 15.8#/gal CI G cement.
  4. TIH with CIBP. Set BP at 7181'. Top with 2 sxs 15.8#/gal CI G cement.
  5. TIH with casing cutter. Cut 4 1/2" casing at 1150'. Pull cut casing.
  6. TIH with tubing to 1200'. RU cementing company. Mix and pump 490 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
  7. Cut surface casing 6' below ground level and weld on cap.
- If there is bradenhead pressure:
1. MIRU pulling unit. Pull 2 3/8" tubing.
  2. RU wireline company.
  3. TIH with CIBP. Set BP at 7974'. Top with 2 sxs 15.8#/gal CI G cement.
  4. TIH with CIBP. Set BP at 7181'. Top with 2 sxs 15.8#/gal CI G cement.
  5. TIH with casing cutter. Cut 4 1/2" casing at 1500'. Pull cut casing.
  6. TIH with tubing to 1550'. RU cementing company. Mix and pump 75 sxs 15.8#/gal CI G cement down tubing. Wait 8 hours or overnight. Check to see if there is any bradenhead pressure or fluid flow after stub plug is set. If there is, contact COGCC for further guidance. If there is not, move on to the next step.
  7. TIH with tubing to 1150'. RU cementing company. Mix and pump 800 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
  8. 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**

401471693	WELLBORE DIAGRAM
401471694	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)