

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:

401552047

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 05-123-19804-00

Well Name: HEINZE HERBER

Well Number: 33-20

Location: QtrQtr: NWSE Section: 20 Township: 1N 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: 40.034875

Longitude: -104.912673

GPS Data:

Date of Measurement: 07/26/2010

PDOP Reading: 2.1

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Estimated Depth: 3000

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	8214	8240			

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	827	370	827	0	VISU
1ST	7+7/8	4+1/2	11.6	8,362	220	8,362	7,010	CBL
			Stage Tool	5,026	150	5,026	4,425	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8164 with 2 sacks cmt on top. CIBP #2: Depth 7358 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 <u>40</u> sks cmt from <u>5290</u> ft. to <u>4763</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>60</u> sks cmt from <u>3125</u> ft. to <u>2900</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>175</u> sks cmt from <u>2630</u> ft. to <u>2320</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>460</u> sks cmt from <u>1050</u> ft. to <u>0</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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:

Heinze Herber 33-20 (05-123-19804)/Plugging Procedure (Intent)  
 Producing Formation: J-Sand: 8214'-8240'  
 Upper Pierre Aquifer: 2422'-2526'  
 TD: 8380' PBD: 8294'  
 Surface Casing: 8 5/8" 24# @ 827' w/ 370 sxs  
 Production Casing: 4 1/2" 11.6# @ 8362' w/ 220 sxs cmt (TOC @ 7010' - CBL). DV Tool @ 5026' w/ 150 sxs cmt (TOC @ 4425' - CBL).

Tubing: 2 3/8" tubing set @ 8200' (5/2/2014).

#### Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 8164'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7358'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with tubing to 5290'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (cement coverage from 4763'-5290'). TOOH with tubing.
6. TIH with casing cutter. Cut 4 1/2" casing at 3000'. Pull cut casing.
7. TIH with tubing to 3125'. Mix and pump 60 sxs 15.8#/gal CI G w/ 2% CaCl cement down tubing (cement coverage from 2900'-3125').
8. Pick up tubing to 2630'. Mix and pump 175 sxs 15.8#/gal CI G w/ 2% CaCl cement down tubing (cement coverage from 2320'-2630').
9. Pick up tubing to 1050'. Mix and pump 460 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
10. 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

401552049	WELLBORE DIAGRAM
401552050	WELLBORE DIAGRAM
401552051	GYRO SURVEY

Total Attach: 3 Files

### General Comments

User Group Comment Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)