

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:

401332990

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 05-123-12055-00

Well Name: WILLIAMS

Well Number: 28-1

Location: QtrQtr: NENE Section: 28 Township: 5N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 65498

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: 40.376190

Longitude: -104.890440

GPS Data:

Date of Measurement: 02/15/2008

PDOP Reading: 2.7

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: 550

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	7093	7094			
NIOBRARA	6812	7042			

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	350	275	350	0	VISU
1ST	7+7/8	4+1/2	11.6	7,298	275	7,298	6,469	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6762 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 3010 ft. with 50 sacks. Leave at least 100 ft. in casing 2995 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:

Due to a lack of information, PDC proposed that either a cement squeeze be performed or a balanced cement plug depending on where the top of cement is determined to be

Williams 28-1 (05-123-12055)/Plugging Procedure (Intent)

Producing Formation (Perforations): Niobrara: 6812'-7042' Codell: 7093'-7094' (Faulted out)

TD: 7300' PBTD: 7208'

Surface Casing: 8 5/8" 24# @ 350' w/ 275 sxs

Production Casing: 4 1/2" 11.6# @ 7298' w/ 275 sxs cmt (TOC @ 6469'). Cement sleeve @ 3000'. Existing production packer @ 6795' (11/27/1984).

Tubing: 2 3/8" tubing set @ 6650' (11/30/1984).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing. (No recent records of tubing.)
2. RU wireline company.
3. TIH with CIBP. Set BP at 6762'. Top with 2 sxs 15.8#/gal CI G cement.
4. Run CBL from 6500' to surface.
5. If TOC is above 2900', skip to step 5.b. Otherwise proceed with step 5.a.
 - a. Annular cement fill:
 - i. TIH with perforation gun. Shoot 2 holes for annular squeeze at 3010' @ 1 SPF or preferred.
 - ii. Set CICR at 2995'. Sting in and pump 40 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs on top of CICR.
 - b. Balanced cement plug:
 - i. TIH with tubing to 3265'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing.
6. TIH with casing cutter. Cut 4 1/2" casing at 550'. Pull cut casing.
7. TIH with tubing to 600'. Mix and pump 180 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**

401333121	WELLBORE DIAGRAM
401333122	WELLBORE DIAGRAM
401333123	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group **Comment** **Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)