

FORM  
6Rev  
12/05State of Colorado  
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

401051707

Date Received:

05/23/2016

## 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: Peterson, Tom

Tel: (303) 815-9641

COGCC contact:

Email: tom.peterson@state.co.us

API Number 05-123-13274-00

Well Name: STROH

Well Number: 14-1

Location: QtrQtr: NWSW Section: 14 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68497

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: 40.310640

Longitude: -104.865470

GPS Data:

Date of Measurement: 07/15/2010

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: 520

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
NIORRARA-CODELL	6887	7217			

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	321	275	321	0	VISU
1ST	7+7/8	2+7/8	6.4	7,290	450	7,290	5,634	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6837 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 \_\_\_\_\_ 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 205 sacks half in. half out surface casing from 620 ft. to 0 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:

Stroh #14-1 (05-123-13274)/Plugging Procedure (Intent)  
Producing formation: Niobrara/Codell  
Existing Perforations: Niobrara/Codell - 6,887'-7,217'  
TD: 7,295' PBDT: 7,284' (re-stim report 2001)  
Surface Casing: 8 5/8" 24# @ 321' w/ 275 sks cmt.  
Production Casing: 2 7/8" 6.4# @ 7,290' w/ 450 sks cmt (TOC at 5,776').  
Most Recent Production Tubing Info (11/2001) – 1.9" @ 7,179'  
Proposed Procedure:  
1. MIRU pulling unit.  
2. Blow down to tanks. Load with fluid to kill well.  
3. TOOH with 218 jts of 1.9" production tubing.  
4. Obtain GYRO Survey.  
5. Rig up wireline. RIH with CIBP. Set CIBP at 6,840'.  
6. Load dump bailer with 2sx of 15.8#/gal CL G cement. TIH with dump bailer and spot on top of CIBP.  
7. RIH w/ casing cutter and cut casing at 520'. Pull 2 7/8" casing out of hole.  
8. TIH with workstring to 620'. Circulate and condition well in preparation to pump surface plug.  
9. RU cementers. Mix and pump cement stub plug to surface (620' of cement) with 205 sks of 15.8#/gal CL G cement. Confirm cement 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: 5/23/2016 Email: Jenifer.Hakkarinen@pdce.com

Based on the information provided, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:

Date: 6/13/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 12/12/2016

**COA Type**

**Description**

	<p>Note changes to plugging procedure:</p> <ol style="list-style-type: none"><li>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</li><li>2) Move CIBP from 6840', to 6837, so it is a minimum of 50' above the top Niobrara perforation.</li><li>3) For the 620' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 271' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</li><li>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</li><li>5) Prior to initiation of plugging operations, a Bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days.</li></ol>
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**Attachment Check List**

**Att Doc Num**

**Name**

401051707	FORM 6 INTENT SUBMITTED
401051838	WELLBORE DIAGRAM
401051839	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Public Room	Document verification complete 05/23/16	5/23/2016 12:53:35 PM
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Total: 1 comment(s)