

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



DE ET OE ES

Document Number:

401041369

Date Received:

05/05/2016

## 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: Helgeland, Gary

Tel: (970) 216-5749

COGCC contact:

Email: gary.helgeland@state.co.us

API Number 05-123-21354-00

Well Name: TOTEMS

Well Number: 34-24

Location: QtrQtr: SWSE Section: 24 Township: 1N Range: 68W 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: 40.030976

Longitude: -104.949711

GPS Data:

Date of Measurement: 07/23/2010

PDOP Reading: 2.4

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Estimated Depth: 1310

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	8298	8326			

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	1,105	715	1,105	0	VISU
1ST	7+7/8	4+1/2	11.6	8,526	200	8,526	7,080	CBL
S.C. 1.1	7+7/8	4+1/2	11.6	5,542	281	5,550	4,540	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8260 with 2 sacks cmt on top. CIBP #2: Depth 7845 with 2 sacks cmt on top.  
CIBP #3: Depth 7460 with 2 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 10 sks cmt from 4800 ft. to 4700 ft. Plug Type: CASING 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 500 sacks half in. half out surface casing from 1360 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:

Totems #34-24 (05-123-21354)/Plugging Procedure (Intent)

Producing Formation: J Sand 8298'-8326'

TD: 8526' PBDT: 8495'

Surface Casing: 8 5/8" 24# @ 1105' w/ 715 sxs.

Production Casing: 4 1/2" 11.6# @ 8526' w/ 481 sks cmt (TOC 7080' and 4540' CBL).

Tubing: 2 3/8" 4.7#/ft EUE tubing set at 8261'.

Proposed Procedure:

1. MIRU RU pulling unit. RU wireline company. Run gyro survey from 7500' to surface.
2. Pull 2 3/8" tubing.
3. TIH with CIBP. Set BP at 8260'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7845'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 7460'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 4 1/2" casing at 1310'. Recover 4 1/2" casing.
7. TIH with tubing to 1360'. Mix and pump 500 sxs of 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: 5/5/2016 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: 5/27/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 11/26/2016

**COA Type**

**Description**

	1) Prior to starting plugging operations, a bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test. 2) Provide 48 hour notice of plugging MIRU via electronic Form 42. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Added plug at Sussex. Stub plug is also shoe plug; if this plug is not circulated to surface then tag plug – must be 900' or shallower and provide 25 sx plug at the surface. Leave at least 100' cement in the wellbore for each plug.
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**Attachment Check List**

**Att Doc Num**

**Name**

401041369	FORM 6 INTENT SUBMITTED
401041832	WELLBORE DIAGRAM
401041833	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Public Room	Document verification complete 05/12/16	5/12/2016 2:30:26 PM
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Total: 1 comment(s)