

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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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:

Tel:

COGCC contact:

Email:

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:

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	08/08/2016	B PLUG CEMENT TOP	8248

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 8248 with 2 sacks cmt on top. CIBP #2: Depth 7790 with 2 sacks cmt on top.
CIBP #3: Depth 7410 with 4 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 4674 ft. Plug Type: CASING Plug Tagged: ☐
Set 25 sks cmt from 93 ft. to 0 ft. Plug Type: OPEN HOLE 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 270 sacks half in. half out surface casing from 1421 ft. to 555 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: 1320 ft. of 4+1/2 inch casing

Plugging Date: 08/08/2016

*Wireline Contractor: Magna

*Cementing Contractor: Magna

Type of Cement and Additives Used: 15.8 ppg Class G

Flowline/Pipeline has been abandoned per Rule 1103 ☒ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

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

Producing Formation: J Sand 8298'-8326'

TD: 8526' PBTD: 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'.

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 8248'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7790'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 7410'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 4 1/2" casing at 1320'. Recover 4 1/2" casing.
7. TIH with tubing to 1421'. Mix and pump 270 sxs of 15.8#/gal CI G cement down tubing. Tag TOC at 555'.
8. TIH with tubing to 93'. Mix and pump 25 sxs of 15.8 ppg Class G cement 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:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401139158	WELLBORE DIAGRAM
401139162	CEMENT BOND LOG
401139173	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)