

Document Number:
401796666

Date Received:
10/15/2018

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: Valerie Danson

Name of Operator: PDC ENERGY INC Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000 Fax: _____

City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required, Name: _____ Tel: _____

COGCC contact: Email: _____

API Number 05-123-21664-00

Well Name: STATE PETERSON Well Number: 32-16

Location: QtrQtr: SWNE Section: 16 Township: 5N Range: 63W 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: 40.400640 Longitude: -104.439330

GPS Data:
Date of Measurement: 10/01/2007 PDOP Reading: 2.7 GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing 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
CODELL	6724	6732	09/24/2018	B PLUG CEMENT TOP	6674

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	365	240	365	0	VISU
1ST	7+7/8	4+1/2	10.5	6,901	150	6,901	5,942	CBL
S.C. 1.1				6,901	220	3,980	3,830	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6674 with 2 sacks cmt on top. CIBP #2: Depth 6404 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 60 sks cmt from 2902 ft. to 2691 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 255 sks cmt from 1815 ft. to 1098 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 233 sacks half in. half out surface casing from 601 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: 2800 ft. 4+1/2 inch casing Cut and Cap Date: 09/26/2018
 of _____
 *Wireline Contractor: Ranger Energy Services *Cementing Contractor: C&J Energy Services
 Type of Cement and Additives Used: Class G 15.8 PPG Cement & Type III 14.8 PPG Portland Cement
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

State Peterson 32-16 (05-123-21664)/Plugging Procedure
 Producing Formation: Codell: 6724'-6732'
 Upper Pierre Aquifer: 420'-1545'
 TD: 6920' PBTD: 6850'
 Surface Casing: 8 5/8" 24# @ 365' w/ 240 sxs
 Production Casing: 4 1/2" 10.5# @ 6901.3' w/ 370 sxs cmt (TOC @ 3825' - CBL).
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 6674'. Top with 2 sxs 15.8#/gal CI G cement.
 4. TIH with CIBP. Set BP at 6404'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with casing cutter. Cut 4 1/2" casing at 2800'. Pull cut casing.
 6. TIH with tubing to 2902'. RU cementing company. Mix and pump 60 sxs 15.8#/gal Class G cement. TOC at 2691'.
 7. TIH with tubing to 1815'. RU cementing company. Mix and pump 255 sxs 14.8#/gal Type III cement (Pierre coverage from 1815'-1098'). TOC at 1098'.
 8. Pick up tubing to 601'. RU cementing company. Mix and pump 233 sxs 14.8#/gal Type III cement down tubing. Cement circulate to surface.
 9. 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: Valerie Danson
 Title: Reg Tech Date: 10/15/2018 Email: valerie.danson@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: Jacobson, Eric

Date: 10/2/2019

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401796666	FORM 6 SUBSEQUENT SUBMITTED
401796748	CEMENT JOB SUMMARY
401796935	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Agency	resent request Jenifer Hakkarinen valerie.danson@pdce.com Please submit form 42 flowline abandonment.	06/19/2019
Agency	jenifer.hakkarinen@pdce.com Please submit form 42 flowline abandonment.	01/31/2019

Total: 2 comment(s)