

Document Number:
401216268

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: Kelsi Welch
 Name of Operator: PDC ENERGY INC Phone: (303) 831-3974
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: kelsi.welch@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 05-123-13135-00 Well Number: 4-30
 Well Name: ROTH
 Location: QtrQtr: NWNW Section: 30 Township: 6N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 62683
 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: 40.462669 Longitude: -104.599986
 GPS Data:
 Date of Measurement: 02/18/2010 PDOP Reading: 2.5 GPS Instrument Operator's Name: Brandon Lucason
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 4550
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
 Details: Holes found in casing from 2183'-2216' while conducting a pressure test during an annular fill cement job.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	6928	6944	02/14/2017	B PLUG CEMENT TOP	6868
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	275	250	275	0	
1ST	7+7/8	4+1/2	11.6	7,081	230	7,081	6,298	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6629 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 550 sks cmt from 4600 ft. to 3400 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 440 sks cmt from 875 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 _____ 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:

REVISED Roth 4-30 (05-123-13135)/Plugging Procedure (Intent)
 Plugged Back Formation: Codell 6928'-6944'
 Existing CIBP set at: 6868' with 2 sxs cmt
 TD: 7085' PBD: 6987'
 Surface Casing: 8 5/8" 24# @ 275' w/ 250 sxs.
 Production Casing: 4 1/2" 11.6# @ 7081' w/ 230 sks cmt (TOC at 6298' CBL)
 Note holes in production casing from 2183'-2216'

Tubing: 2 3/8" tubing set at 6821'. (2/14/2017)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6629'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with casing cutter. Cut 4 1/2" casing at 4550'. Pull cut casing.
5. TIH with tubing to 4600'. RU cementing company. Mix and pump 550 sxs 15.8#/gal CI G cement down tubing.
6. WOC. Tag top of cement. (TOC should be at or above 3400'.) Top off cement as needed to bring TOC above 3400'.
7. TIH with tubing to 875'. RU cementing company. Mix and pump 440 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: Kelsi Welch
 Title: Production Tech Date: _____ Email: kelsi.welch@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: _____

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401232948	WELLBORE DIAGRAM
401232950	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)