

Document Number:
 401627219
 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 05-123-20271-00 Well Number: 31-21
 Well Name: WIEDEMAN
 Location: QtrQtr: NWNE Section: 21 Township: 5N Range: 67W 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: 40.391170 Longitude: -104.895420
 GPS Data:
 Date of Measurement: 03/15/2007 PDOP Reading: 3.8 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	7214	7224	04/03/2018	B PLUG CEMENT TOP	7164
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	402	285	402	0	VISU
1ST	7+7/8	4+1/2	10.5	7,424	180	7,424	6,360	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7164 with 2 sacks cmt on top. CIBP #2: Depth 6812 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 175 sks cmt from 1825 ft. to 1350 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 368 sks cmt from 660 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: 1700 ft. 4+1/2 inch casing Plugging Date: 04/04/2018
 of _____
 *Wireline Contractor: Cased HOle Solutions *Cementing Contractor: C&J
 Type of Cement and Additives Used: 15.8 PPG CL G NEAT + 2% CaCl
 Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Wiedeman 31-21 (05-123-20271)/Plugging Procedure
 Producing Formation (Perforations): Codell: 7214'-7224'
 TD: 7475' PBTD: 7380'
 Surface Casing: 8 5/8" 24# @ 402' w/ 285 sxs
 Production Casing: 4 1/2" 10.5# @ 7228' w/ 180 sxs cmt (TOC @ 6360' - CBL).
 Tubing: 2 3/8" tubing set @ 7201' (10/9/2001).
 Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 7164'. Top with 2 sxs 15.8#/gal CI G cement.
 4. TIH with CIBP. Set BP at 6812'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with casing cutter. Cut 4 1/2" casing at 1700'. Pull cut casing.
 6. TIH with tubing to 1825'. RU cementing company. Mix and pump 175 sxs 15.8#/gal CI G + 2% CaCl cement down tubing to 1350'.
 7. TIH with tubing to 660'. RU cementing company. Mix and pump 368 sxs 15.8#/gal CI G + 2% CaCl cement down tubing. Cement 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: _____ 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: _____

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401627221	WELLBORE DIAGRAM
401627235	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

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

Total: 0 comment(s)