

Document Number:
 401721224

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 08/01/2018

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: 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 05-123-11996-00 Well Number: 1-25B
 Well Name: VON FELDT
 Location: QtrQtr: SWSW Section: 25 Township: 3N Range: 65W 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: 40.191640 Longitude: -104.617690
 GPS Data:
 Date of Measurement: 10/23/2010 PDOP Reading: 2.0 GPS Instrument Operator's Name: Steve Cure
 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
SUSSEX	4422	4464	02/14/2008	SQUEEZED	4714
NIOBRARA	6854	6942	06/25/2018	B PLUG CEMENT TOP	6804
CODELL	7084	7096	06/25/2018	B PLUG CEMENT TOP	6804
J SAND	7532	7562	02/21/2008	B PLUG CEMENT TOP	7300

Total: 4 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	412	280	412	0	VISU
1ST	7+7/8	4+1/2	11.6	7,638	450	7,638	6,210	CBL
S.C. 1.1				4,714	350	4,714	4,164	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7300 with 2 sacks cmt on top. CIBP #2: Depth 6804 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 50 sks cmt from 4858 ft. to 4200 ft. Plug Type: CASING Plug Tagged:
 Set 150 sks cmt from 1933 ft. to 1500 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 320 sks cmt from 823 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:

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: 1800 ft. of 4+1/2 inch casing Plugging Date: 06/25/2018

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: 15.8 PPG CL G NEAT

Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Von Feldt 1-25B (05-123-11996)/Plugging Procedure
 Producing Formation: Sussex: 4422'-4464' Niobrara: 6854'-6942' Codell: 7084'-7096' J-Sand: 7532'-7562'
 Upper Pierre Aquifer: 672'-1635'
 TD: 7660' PBTD: 7228'
 Surface Casing: 8 5/8" 24# @ 412' w/ 280 sxs
 Production Casing: 4 1/2" 11.6# @ 7638' w/ 450 sxs cmt (TOC @ 6210' - CBL). Cement squeeze w/ perf @ 4714' & 350 sxs cmt (4714'-4164' - CBL). Sand plug @ 7400'. CIBP @ 7300' w/ 2 sxs cmt.

Procedure:

- MIRU pulling unit. Pull 2 3/8" tubing.
- RU wireline company.
- TIH with CIBP. Set BP at 6804'. Top with 2 sxs 15.8#/gal CI G cement.
- TIH with tubing to 4858'. RU cementing company. Mix and pump 50 sxs 15.8#/gal CI G cement down tubing to 4200'. TOOH with tubing.
- TIH with casing cutter. Cut 4 1/2" casing at 1800'. Pull cut casing.
- TIH with tubing to 1933'. Mix and pump 150 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (coverage from 1933'-1500').
- Pick up tubing to 823'. Mix and pump 320 sxs 15.8#/gal CI G cement down tubing. Cement to surface.
- 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: 8/1/2018 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: Jacobson, Eric Date: 1/4/2019

CONDITIONS OF APPROVAL, IF ANY:

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401721224	FORM 6 SUBSEQUENT SUBMITTED
401721242	WELLBORE DIAGRAM
401721248	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	CBL during plugging No CBL kept during plugging	12/13/2018

Total: 1 comment(s)