

Document Number:
402649521

Date Received:
04/06/2021

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: _____
 Email: _____

COGCC contact: _____

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-31889-00
 Well Name: Chesnut Well Number: 22BD
 Location: QtrQtr: NESW Section: 22 Township: 5N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.383750 Longitude: -104.537000
 GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: _____ Date of Measurement: 02/05/2011

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
NIOBRARA-CODELL	6710	6880	02/06/2021	B PLUG CEMENT TOP	6660

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	24	0	689	490	689	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7125	965	7125	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6660 with 2 sacks cmt on top. CIBP #2: Depth 2500 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 _____ 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:
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 1300 ft. with 53 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 105 sacks half in. half out surface casing from 1030 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: _____ ft. of _____ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 9
Surface Plug Setting Date: 02/08/2021 Cut and Cap Date: 02/17/2021

*Wireline Contractor: Rocky Mtn Wireline Services *Cementing Contractor: Rock Hard Cementing Services

Type of Cement and Additives Used: Class G 15.8 PPG Cement

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Chesnut 22BD (05-123-31889)/Plugging Procedure
Producing Formation: Niobrara/Codell: 6710'-6880'
Upper Pierre Aquifer: 360'-1350'
TD: 7145' PBTD: 7087' (2/7/2011)
Surface Casing: 8 5/8" 24# @ 689' w/ 409 sxs cmt
Production Casing: 4 1/2" 11.6# @ 7125' w/ 965 sxs cmt (TOC @ Surface - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6660'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 6710')
4. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
5. Ran a CBL from 1700' to Surface (for perf shot verification, showed a strong cement bond at proposed squeeze depths)
Contacted the State, moved forward with the approved procedure change.
6. TIH with perf gun. Shoot holes at 1300'.
7. TIH with tubing to 1618'. RU cementing company. Mix and pump 53 sxs 15.8#/gal CI G cement down tubing and squeeze through perms at 1300'. TOC tagged at 1030'.
8. Pick up tubing to 1030'. Mix and pump 105 sxs 15.8#/gal CI G 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: 4/6/2021 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: 6/28/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type **Description**

COA Type	Description
0 COA	

Attachment List

Att Doc Num **Name**

402649521	FORM 6 SUBSEQUENT SUBMITTED
402649529	CEMENT BOND LOG
402649530	CEMENT JOB SUMMARY
402649532	OTHER
402649533	OTHER
402649536	OPERATIONS SUMMARY
402649537	WELLBORE DIAGRAM

Total Attach: 7 Files

General Comments

User Group **Comment**

Comment Date

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)