

FORM
6Rev
11/20

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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| DE | ET | OE | ES |
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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:

COGCC contact:

Email:

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☐ OtherCasing to be pulled: ☐ Yes ☐ No Estimated Depth:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore 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

Surface Plug Setting Date: 02/08/2021 Cut and Cap Date: 02/17/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 9

*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

| | |
|-------|--|
| | |
| 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

| | | |
|--|--|---------------------|
| | | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)