

FORM
6

Rev
02/20

State of Colorado
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

402002081

Date Received:

04/09/2019

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 05-123-22565-00 Well Number: 5
Well Name: HENDRICKS
Location: QtrQtr: SENE Section: 33 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: 40.359414 Longitude: -104.550430
GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: PDOP Date of Measurement: 12/19/2009
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:
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	6786	6802	03/08/2019	B PLUG CEMENT TOP	6508
NIOBRARA	6558	6730	03/08/2019	B PLUG CEMENT TOP	6508

Total: 2 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	409	280	409	0	VISU
1ST	7+7/8	4+1/2	11.6	6,964	545	6,964	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6508 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 28 sks cmt from 1629 ft. to 1200 ft. Plug Type: CASING 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 _____ 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 53 sacks half in. half out surface casing from 631 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 Cut and Cap Date: 03/11/2019

*Wireline Contractor: Ranger Energy Services *Cementing Contractor: C&J Energy Services

Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Hendricks 5 (05-123-22565)/Plugging Procedure
Producing Formation: Niobrara/Codell: 6558'-6802'
Upper Pierre Aquifer: 407'-1360'
TD: 7010' PBTD: 6838'
Surface Casing: 8 5/8" 24# @ 409' w/ 280 sxs
Production Casing: 4 1/2" 11.6# @ 6964' w/ 545 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 6508'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with tubing to 1629'. RU cementing company. Mix and pump 28 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 1600'-1100'). TOC at 1200'.
5. Pickup tubing to 631'. Mix and pump 53 sxs 14.8#/gal Type III cement down tubing. Cement circulate to surface.
6. 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: 4/9/2019 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: 2/24/2022

CONDITIONS OF APPROVAL, IF ANY:**Condition of Approval****COA Type****Description**

0 COA

Attachment List**Att Doc Num****Name**

2138058	WELLBORE DIAGRAM
402002081	FORM 6 SUBSEQUENT SUBMITTED
402002086	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments**User Group****Comment****Comment Date**

Permit	Permitting review complete.	02/17/2022
Engineer	Requested Form 43 to document sample from Form 17 test. PDC response that sample was not caught, when returning to catch sample the plugging operation had begun.	01/10/2020
Engineer	Requested WBD (Submitted 1/10/2020)	01/08/2020

Total: 3 comment(s)