

FORM

6

Rev
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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Document Number:

403011007

Date Received:

04/21/2022

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 05-123-22090-00

Well Name: CATTLEMAN

Well Number: 23-31D

Location: QtrQtr: SESE Section: 36 Township: 6N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

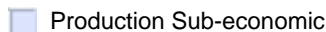
Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.436610

Longitude: -104.602420

GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: PDOP Date of Measurement: 10/30/2006

Reason for Abandonment:


☐ Other

Casing to be pulled:



Estimated Depth:

Fish in Hole:



If yes, explain details below

Wellbore has Uncemented Casing leaks:



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	7092	7400	01/06/2022	B PLUG CEMENT TOP	7042

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	412	275	412	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7596	140	7596	5408	CBL
S.C. 1.1						7596	300	5408	3434	CBL
S.C. 1.2						3430	570	3434	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7042 with 2 sacks cmt on top. CIBP #2: Depth 3800 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 _____ 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 132 sacks half in. half out surface casing from 1547 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: 01/07/2022 Cut and Cap Date: 04/13/2022 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 96

*Wireline Contractor: Ranger Energy Services

*Cementing Contractor: DUCO Inc. 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:

Cattleman 23-31D (05-123-22090)/Plugging Procedure
Producing Formation: Niobrara/Codell: 7092'-7400'

Upper Pierre Aquifer: 400'-1420'

Deepest Water Well: 185'

TD: 7598' PBD: 7538' (2/10/2012)

Surface Casing: 8 5/8" 24# @ 412' w/ 275 sxs cmt

Production Casing: 4 1/2" 10.5# @ 7596' w/ 420 sxs cmt (TOC @ 3443' – CBL)

Annular Fill @ 3439' w/ 570 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 7042'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 7092')
4. TIH with CIBP. Set BP at 3800'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Parkman @ 3850')
5. TIH with tubing to 1547'. RU cementing company. Mix and pump 132 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
6. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

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 Analyst Date: 4/21/2022 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: 8/8/2022

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

0 COA

Attachment List

Att Doc Num

Name

403011007	FORM 6 SUBSEQUENT SUBMITTED
403011011	CEMENT JOB SUMMARY
403011014	OPERATIONS SUMMARY
403011015	WELLBORE DIAGRAM
403024008	OTHER

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Engineer	Cut and Cap >90 days	08/08/2022
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Total: 1 comment(s)