

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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Document Number:

402627450

Date Received:

03/12/2021

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 05-123-11013-00

Well Name: MILLEGE

Well Number: 1

Location: QtrQtr: NWNW Section: 3 Township: 4N 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: 40.346460

Longitude: -104.543380

GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: Date of Measurement: 06/20/2007

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	6561	6844	02/21/2019	B PLUG CEMENT TOP	6500

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	330	300	330	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	6920	200	6920	5720	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 100 sks cmt from 2561 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐
 Set 100 sks cmt from 1524 ft. to 1320 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: ☐
 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 262 sacks half in. half out surface casing from 537 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: 2500 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 9
 Surface Plug Setting Date: 01/27/2021 Cut and Cap Date: 02/05/2021

*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:

Millege 1 (05-123-11013)/Plugging Procedure
 Abandoned Formation: Niobrara/Codell: 6561'-6844'
 Upper Pierre Aquifer: 400'-1420'
 TD: 6920' PBTD: 6890' (2/20/2019)
 Surface Casing: 8 5/8" 24# @ 330' w/ 300 sxs cmt
 Production Casing: 4 1/2" 11.6# @ 6920' w/ 200 sxs cmt (TOC @ 5690' - CBL)
 Existing CIBP @ 6500' w/ 2 sxs (2/21/2019)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. Run a Strip Log from 2500' to Surface (for casing cut verification, log not kept).
4. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
5. TIH with tubing to 2561'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 2550'-2300') TOC at 2300'.
6. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations
7. TIH with tubing to 1524'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1520'-1320') TOC at 1320'.
8. Pick up tubing to 537'. Mix and pump 262 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: 3/12/2021

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: 9/21/2021

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

0 COA

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

402627450	FORM 6 SUBSEQUENT SUBMITTED
402627455	CEMENT JOB SUMMARY
402627456	OTHER
402627458	OPERATIONS SUMMARY
402627459	WELLBORE DIAGRAM

Total Attach: 5 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)