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: 402541341

Date Received:

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 05-123-11232-00

Well Name: RIEDER Well Number: 32-1

Location: QtrQtr: NWSW Section: 32 Township: 5N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 65469

Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.354830 Longitude: -104.925280

GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: Date of Measurement: 10/08/2010

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	7003	7022	10/28/2020	B PLUG CEMENT TOP	6953

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	361	280	361	0	VISU
1ST	7+7/8	5+1/2	J55	15.5	0	7122	225	7122	6054	CALC
S.C. 1.1			J55		0	4461	100	4461	4084	CALC

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6953 with 2 sacks cmt on top. CIPB #2: Depth 6630 with 2 sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 44 sks cmt from 4461 ft. to 4084 ft. Plug Type: CASING Plug Tagged: ☐

Set 100 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐

Set 100 sks cmt from 1220 ft. to 1020 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: ☐

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 318 sacks half in. half out surface casing from 561 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 5+1/2 inch casing

Surface Plug Setting Date: 10/29/2020 Cut and Cap Date: 10/29/2020 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 0

*Wireline Contractor: Rocky Mtn Wireline Services *Cementing Contractor: NexTier 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:

Rieder 32-1 (05-123-11232)/Plugging Procedure
Producing Formation: Codell: 7003'-7022'

Upper Pierre Aquifer: 350'-1120'

TD: 7122' PBTD: 7074' (3/6/2018)
Surface Casing: 8 5/8" 24# @ 361' w/ 280 sxs cmt
Production Casing: 5 1/2" 15.5# @ 7122' w/ 225 sxs cmt (TOC @ 6070' – CBL)
Remedial Cement @ 4461' w/ 100 sxs cmt (TOC @ 4340' – CBL)

Procedure:
1. MIRU pulling unit. Pull 2 7/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6953'. Top with 2 sx 15.8#/gal Cl G cement. (Top of Codell perfs @ 7003')
4. TIH with CIBP. Set BP at 6630'. Top with 2 sx 15.8#/gal Cl G cement. (Top of Niobrara @ 6680')
5. Run a CBL from 6615' to surface.
6. TIH with tubing to 4461'. RU cementing company. Mix and pump 44 sx 15.8#/gal Cl G cement down tubing. (Casing Squeeze coverage from 4461'-4084') TOC at 4084'.
7. RU wireline company.
8. TIH with casing cutter. Cut 5 ½" casing @ 2500'. Pull cut casing.
9. TIH with tubing to 2550'. RU cementing company. Mix and pump 100 sx 15.8#/gal Cl G cement down tubing. (Stub plug from 2550'-2300') TOC at 2300'.
10. TIH with tubing to 1220'. Mix and pump 100 sx 15.8#/gal Cl G cement down tubing. (Pierre coverage from 1220'-1020') TOC at 1020'.
11. Pick up tubing to 561'. Mix and pump 318 sx 15.8#/gal Cl G cement down tubing. Cement circulate to surface.
12. 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: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

Att Doc Num	Name
402541381	CEMENT JOB SUMMARY
402541383	OPERATIONS SUMMARY
402541384	WELLBORE DIAGRAM
402541385	CEMENT BOND LOG

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)