

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



DE ET OE ES

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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 05-123-20148-00

Well Name: SEELE

Well Number: 41-31

Location: QtrQtr: NENE Section: 31 Township: 4N Range: 67W 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: 40.275810

Longitude: -104.925440

GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: Date of Measurement: 07/15/2010

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
CODELL	7368	7378	09/24/2021	B PLUG CEMENT TOP	7318

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	397	280	397	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7583	190	7583	6385	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7318 with 2 sacks cmt on top. CIBP #2: Depth 6990 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 <u>10</u> sks cmt from <u>4470</u> ft. to <u>4339</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>103</u> sks cmt from <u>3202</u> ft. to <u>2900</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>100</u> sks cmt from <u>1461</u> ft. to <u>1225</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 4656 ft. with 90 sacks. Leave at least 100 ft. in casing 4471 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 380 sacks half in. half out surface casing from 612 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: 3100 ft. of 4+1/2 inch casing

Surface Plug Setting Date: 09/28/2021 Cut and Cap Date: 11/02/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 35

\*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:

Seele 41-31 (05-123-20148)/Plugging Procedure  
 Producing Formation: Codell: 7368'-7378'  
 Upper Pierre Aquifer: 440'-1350'  
 TD: 7600' PBTD: 7476' (3/3/04)  
 Surface Casing: 8 5/8" 24# @ 397' w/ 280 sxs cmt  
 Production Casing: 4 1/2" 10.5# @ 7583' w/ 190 sxs cmt (TOC @ 6385' - CBL)

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7318'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7368')
4. Ran a CBL from 5000' to Surface.
5. Pressure tested the CIBP at 7318', test failed. Ran a packer, found holes in casing from 3016'-3048'. Contacted the State, moved forward with the approved procedure change.
6. TIH with CIBP. Set BP at 6990'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 7040')
7. TIH with perf gun. Shoot lower squeeze holes at 4656' and upper squeeze holes at 4456'.
8. TIH with CICR. Set CICR at 4471'. RU cementing company. Sting in and pump 100 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 100 sxs) cement on top of CICR. (Top of Shannon @ 4706') TOC at 4339'.
9. TIH with casing cutter. Cut 4 1/2" casing @ 3100'. Pull cut casing.
10. TIH with tubing to 3202'. Mix and pump 103 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 3200'-2900') TOC at 2900'.
11. 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.
12. TIH with tubing to 1461'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1450'-1250') TOC tagged at 1225'.
13. Pick up with tubing to 612'. Mix and pump 380 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
14. 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: \_\_\_\_\_

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**

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**Attachment List**

**Att Doc Num**

**Name**

402901718	CEMENT BOND LOG
402901719	CEMENT JOB SUMMARY
402901720	OTHER
402901721	OTHER
402901722	OPERATIONS SUMMARY
402901723	WELLBORE DIAGRAM

Total Attach: 6 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)