

FORM  
6Rev  
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



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Document Number:

402472907

Date Received:

08/21/2020

## 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 05-123-20713-00

Well Name: STATE PETERSON

Well Number: 34-16

Location: QtrQtr: SWSE Section: 16 Township: 5N Range: 63W 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: 40.393690

Longitude: -104.437970

GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: Date of Measurement: 10/01/2007

GPS Instrument Operator's Name: Holly L. Tracy

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
J SAND	7080	7090	07/20/2020	B PLUG CEMENT TOP	7030

Total: 1 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	400	280	400	0	VISU
1ST	7+7/8	4+1/2	10.5	7,325	260	7,325	6,076	CBL
S.C. 1.1				6,076	220	6,076	2,780	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7030 with 2 sacks cmt on top. CIBP #2: Depth 6310 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>100</u> sks cmt from <u>2558</u> ft. to <u>2298</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>95</u> sks cmt from <u>1613</u> ft. to <u>1390</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input 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"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 230 sacks half in. half out surface casing from 606 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

Cut and Cap Date: 07/21/2020

\*Wireline Contractor: Ranger Energy Services

\*Cementing Contractor: Ranger Energy 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:

State Peterson 34-16 (05-123-20713)/Plugging Procedure  
 Producing Formation: J-Sand: 7080'-7090'

Upper Pierre Aquifer: 430'-1490'

TD: 7518' PBTD: 7107' (5/4/2009)

Surface Casing: 8 5/8" 24# @ 400' w/ 280 sx cmt

Production Casing: 4 1/2" 10.5# @ 7325' w/ 480 sx cmt (TOC @ 2780' - CBL)

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7030'. Top with 2 sxs 15.8#/gal CI G cement. (Top of J-Sand perms @ 7080')
4. TIH with CIBP. Set BP at 6310'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6360')
5. Run a strip log from 2800' to Surface for casing cut verification (log not kept).
6. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
7. TIH with tubing to 2558'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 2500'-2300') TOC at 2298'.
8. TIH with tubing to 1613'. Mix and pump 95 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1590'-1390') TOC at 1390'.
9. Pick up tubing to 606'. Mix and pump 230 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. 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: 8/21/2020

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: McFarland, Nick

Date: 3/12/2021

**CONDITIONS OF APPROVAL, IF ANY:**

<u>COA Type</u>	<u>Description</u>
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**Attachment List**

<u>Att Doc Num</u>	<u>Name</u>
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402472907	FORM 6 SUBSEQUENT SUBMITTED
402472918	CEMENT JOB SUMMARY
402472934	WELLBORE DIAGRAM
402472940	OPERATIONS SUMMARY

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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Engineer	GPS location appears accurate on satellite imagery. Ops notice given. Pre-PA BH test filed. Form 7 reporting PA status. Flowline registered. Zones and casing history are consistent with approved intent. Procedure, WBD and tickets are consistent.	03/12/2021
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Total: 1 comment(s)