

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:

402698601

Date Received:

05/24/2021

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 05-123-14163-00

Well Name: ALLES

Well Number: 9-22

Location: QtrQtr: NESE Section: 22 Township: 5N Range: 65W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 65538

Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.383410 Longitude: -104.642311

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 02/22/2021

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	6994	7006	03/24/2021	B PLUG CEMENT TOP	6944

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	314	100	314	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7100	200	7100	6030	CBL
S.C. 1.1						750	264	750	230	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6944 with 2 sacks cmt on top. CIBP #2: Depth 6622 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 10 sks cmt from 4002 ft. to 3868 ft. Plug Type: CASING Plug Tagged: ☐
Set 10 sks cmt from 1254 ft. to 1123 ft. Plug Type: CASING 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 4188 ft. with 90 sacks. Leave at least 100 ft. in casing 4003 CICR Depth

Perforate and squeeze at 1440 ft. with 90 sacks. Leave at least 100 ft. in casing 1255 CICR Depth

Perforate and squeeze at 220 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 55 sacks half in. half out surface casing from 514 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: 03/25/2021 Cut and Cap Date: 03/31/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 6

*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:

Alles 9-22 (05-123-14163)/Plugging Procedure
Abandoned/TA'd Formation: Codell: 6994'-7006'

Upper Pierre Aquifer: 340'-1340'

TD: 7112' PBD: 7060' (6/20/2014)

Surface Casing: 8 5/8" 24# @ 314' w/ 100 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7100' w/ 200 sxs (TOC @ 6030' - CBL)

Annular fill @ 750' w/ 264 sxs (TOC @ 230' - CBL)

Existing RBP @ 6940' w/ 2 sxs of sand (12/12/2016)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" Tubing.
2. RU wireline company. TIH and wash down to Existing RBP @ 6940', latched on but was unable to release RBP due to parted tubing. Pushed RBP down and tagged at 6950'. Contacted the State, moved forward with the approved procedure change.
3. TIH with CIBP. Set BP at 6944'. Top with 2 sx 15.8#/gal CI G cement. (Top of Codell perms @ 6994')
4. TIH with CIBP. Set BP at 6622'. Top with 2 sx 15.8#/gal CI G cement. (Top of Niobrara @ 6672')
5. Ran a Strip Log from 4500' to Surface (for perf shot verification, log not kept).
6. TIH with perf gun. Shoot lower squeeze holes at 4188' and upper squeeze holes at 3988'.
7. TIH with CICR. Set CICR at 4003'. 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 Sussex @ 4238') TOC at 3868'.
8. TIH with perf gun. Shoot lower squeeze holes at 1440' and upper squeeze holes at 1240'.
9. TIH with CICR. Set CICR at 1255'. 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. (Pierre Coverage) TOC at 1123'.
10. TIH with perf gun. Shoot holes at 220'.
11. TIH with tubing to 514'. RU cementing company. Mix and pump 55 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
12. Close off casing returns. Hook up cement line to cement flange and pump 50 sxs 15.8#/gal CI G cement downhole and squeeze through perms at 220' into annular space. Cement circulate to surface.
13. 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: 5/24/2021 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: 9/13/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

0 COA

Attachment List

Att Doc Num

Name

402698601	FORM 6 SUBSEQUENT SUBMITTED
402698648	CEMENT JOB SUMMARY
402698650	OTHER
402698652	OTHER
402698653	OPERATIONS SUMMARY
402698655	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Form 17 submitted late	09/13/2021

Total: 1 comment(s)