

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:

402646847

Date Received:

08/02/2021

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 05-123-24860-00

Well Name: ANDERSON

Well Number: 11-2

Location: QtrQtr: NWNW Section: 2 Township: 6N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: EATON

Field Number: 19350

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.522170

Longitude: -104.753440

GPS Data: GPS Quality Value: 2.5 Type of GPS Quality Value: Date of Measurement: 05/14/2007

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	7174	7352	02/25/2021	B PLUG CEMENT TOP	7124

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		24	0	400	280	400	0	VISU
1ST	7+7/8	4+1/2		10.5	0	7523	160	7523	6700	CBL
S.C. 1.1						6710	650	6710	1200	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7124 with 2 sacks cmt on top. CIBP #2: Depth 2500 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 15 sks cmt from 1460 ft. to 1260 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: ☐
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 300 ft. with 205 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 52 sacks half in. half out surface casing from 600 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 Number of Days from Setting Surface Plug
 Surface Plug Setting Date: 02/26/2021 Cut and Cap Date: 03/04/2021 to Capping or Sealing the Well: 6

*Wireline Contractor: GO Wireline 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:

Anderson 11-2 (05-123-24860)/Plugging Procedure
 Producing Formation: Niobrara/Codell: 7174'-7352'
 Upper Pierre Aquifer: 380'-1360'
 TD: 7536' PBTD: 7494' (4/21/07)
 Surface Casing: 8 5/8" 24# @ 400' w/ 280 sxs cmt
 Production Casing: 4 1/2" 10.5# @ 7523' w/ 810 sxs cmt (TOC @ 310' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7124'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 7174')
4. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
5. Unland casing and perform stretch calculation confirming casing squeeze can be performed.
6. Ran a Strip Log from 600' to Surface (for perf shot verification, log not kept).
7. TIH with perf gun. Shoot holes at 300'.
8. TIH with tubing to 1460'. RU cementing company. Mix and pump 15 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage 1460'-1260') TOC at 1260'.
9. Pick up to with tubing to 600'. Mix and pump 52 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. Close off casing returns. Hook up cement line to cement flange and pump 205 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 300' into annular space. Cement circulate to surface.
11. 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 Tech

Date: 8/2/2021

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**

402646847	FORM 6 SUBSEQUENT SUBMITTED
402647709	OTHER
402647710	CEMENT JOB SUMMARY
402647711	PRESSURE TEST
402647712	OPERATIONS SUMMARY
402647713	WELLBORE DIAGRAM

Total Attach: 6 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)