

Document Number:  
402206192

Date Received:  
10/10/2019

**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: \_\_\_\_\_

API Number 05-123-24428-00

Well Name: ANDERSON Well Number: 21-34

Location: QtrQtr: NENW Section: 34 Township: 7N Range: 66W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: EATON Field Number: 19350

Notice of Intent to Abandon  Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.536560 Longitude: -104.766670

GPS Data:  
Date of Measurement: 01/11/2007 PDOP Reading: 2.6 GPS Instrument Operator's Name: HOLLY L. TRACY

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	7379	7389	09/19/2019	B PLUG CEMENT TOP	7329

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	899	630	899	0	VISU
1ST	7+7/8	4+1/2	10.5	7,540	165	7,540	6,240	CBL
S.C. 1.1				6,240	505	6,240	400	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7329 with 2 sacks cmt on top. CIBP #2: Depth 7017 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 40 sks cmt from 1852 ft. to 1258 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 360 ft. with 80 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 72 sacks half in. half out surface casing from 1118 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. \_\_\_\_\_ inch casing Cut and Cap Date: 09/19/2019  
of \_\_\_\_\_

\*Wireline Contractor: Ranger Energy Services \*Cementing Contractor: C&J Energy Services

Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No \*ATTACH JOB SUMMARY

#### Technical Detail/Comments:

Anderson 21-34 (05-123-24428)/Plugging Procedure  
Producing Formation: Codell: 7379'-7389'  
Upper Pierre Aquifer: 460'-1587'  
TD: 7572' PBTD: 7542'  
Surface Casing: 8 5/8" 24# @ 899' w/ 630 sxs  
Production Casing: 4 1/2" 10.5# @ 7540' w/ 670 sxs cmt (TOC @ 394' - CBL).

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7329'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7017'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with perforation gun. Shoot holes for annular squeeze at 360'.
6. TIH with tubing to 1852'. RU cementing company. Mix and pump 40 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 1330'-1844'). TOC at 1258'.
7. TIH with tubing to 1118'. Mix and pump 72 sxs 14.8#/gal Type III cement down tubing. Cement circulate to surface.
8. Close off casing returns. Hook up cement line to cement flange and pump 80 sxs 14.8#/gal Type III cement downhole and squeeze through perforations at 360' into annular space. Cement circulate to surface.
9. 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: 10/10/2019 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, Eric

COGCC Approved:

Date: 12/31/2019

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**                      **Description**

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**Attachment Check List**

**Att Doc Num**            **Name**

402206192	FORM 6 SUBSEQUENT SUBMITTED
402206203	CEMENT JOB SUMMARY
402206205	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**            **Comment**

**Comment Date**

Engineer	Requested CBL if run (Strip log only 12/30/2019)	12/30/2019
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Total: 1 comment(s)