

FORM
6Rev
05/18

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

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☐ OtherCasing 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

| | |
|--|--|
| | |
|--|--|

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 |
|----------|--|------------|

Total: 1 comment(s)