

FORM  
6Rev  
12/05

## 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:

401519698

Date Received:

01/19/2018

## 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: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name: Pesicka, Conor

Tel: (970) 415-0789

COGCC contact:

Email: conor.pesicka@state.co.us

API Number 05-123-21805-00

Well Name: J&amp;L FARMS

Well Number: 12-20

Location: QtrQtr: SWNW Section: 20 Township: 6N Range: 63W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 40.473310

Longitude: -104.468580

GPS Data:

Date of Measurement: 02/27/2007

PDOP Reading: 2.4

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: 700

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    | 6762      | 6770      |                |                     |            |

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              | 364           | 200          | 364        | 0          |        |
| 1ST         | 7+7/8        | 4+1/2          | 105.            | 6,956         | 385          | 6,956      | 2,606      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6712 with 2 sacks cmt on top. CIBP #2: Depth 6405 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 2885 ft. to 2740 ft. Plug Type: CASING Plug Tagged: ☐  
Set 395 sks cmt from 1000 ft. to 0 ft. Plug Type: STUB PLUG 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 \_\_\_\_\_ 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ 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 Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

J&L Farms 12-20 (05-123-21805)/Plugging Procedure (Intent)  
Producing Formation: Codell: 6762'-6770'  
Upper Pierre Aquifer: 2790'-2835'  
TD: 6965' PBD: 6942'  
Surface Casing: 8 5/8" 24# @ 364' w/ 200 sxs  
Production Casing: 4 1/2" 10.5# @ 6956' w/ 385 sxs cmt (TOC @ 2606' - CBL).

Tubing: No tubing data.

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing if present.
  2. RU wireline company.
  3. TIH with CIBP. Set BP at 6712'. Top with 2 sxs 15.8#/gal CI G cement.
  4. TIH with CIBP. Set BP at 6405'. Top with 2 sxs 15.8#/gal CI G cement.
  5. TIH with tubing to 2885'. RU cementing company. Mix and pump 15 sxs 15.8#/gal CI G cement down tubing. TOOH with tubing.
  6. TIH with casing cutter. Cut 4 1/2" casing at 700'. Pull cut casing.
  7. TIH with tubing to 1000'. Mix and pump 395 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
  8. Cut surface casing 6' below ground level and weld on cap.
- If there is bradenhead pressure:
1. MIRU pulling unit. Pull 2 3/8" tubing if present.
  2. RU wireline company.
  3. TIH with CIBP. Set BP at 6712'. Top with 2 sxs 15.8#/gal CI G cement.
  4. TIH with CIBP. Set BP at 6405'. Top with 2 sxs 15.8#/gal CI G cement.
  5. TIH with tubing to 2885'. RU cementing company. Mix and pump 15 sxs 15.8#/gal CI G cement down tubing. TOOH with tubing.
  6. TIH with casing cutter. Cut 4 1/2" casing at 1500'. Pull cut casing.
  7. TIH with tubing to 1550'. RU cementing company. Mix and pump 75 sxs 15.8#/gal CI G cement down tubing. Wait 8 hours or overnight. Check to see if there is any bradenhead pressure or fluid flow after stub plug is set. If there is, contact COGCC for further guidance. If there is not, move on to step 8.
  8. TIH with tubing to 700'. RU cementing company. Mix and pump 500 sxs 15.8#/gal CI G cement down tubing. Cement should 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: Kelsi Welch  
Title: Production Tech Date: 1/19/2018 Email: kelsi.welch@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: HICKEY, MIKE Date: 2/14/2018

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 8/13/2018

#### COA Type

#### Description

|  |   |
|--|---|
|  | 1)Submit Form 42 electronically to COGCC 48 hours prior to MIRU electronically to COGCC 48 hours prior to MIRU.<br>2)Prior to placing the 1000' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging requirements. .<br>3)After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 672' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.<br>4)Properly abandon all flowlines. Once flowlines are properly abandoned, file electronic form 42. |
|  | Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.   |

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>             |
|--------------------|-------------------------|
| 401519698          | FORM 6 INTENT SUBMITTED |
| 401519701          | WELLBORE DIAGRAM        |
| 401519702          | WELLBORE DIAGRAM        |
| 401519704          | GYRO SURVEY             |

Total Attach: 4 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u> |
|-------------------|---|---------------------|
| Engineer          | Bradenhead test dated 02/06/2018 shows no pressure/no flows. No additional Bradenhead test is required. | 02/14/2018          |
| Public Room       | Pass  | 02/08/2018          |
| Permit            | Pass.   | 02/01/2018          |

Total: 3 comment(s)