

FORM  
6Rev  
05/18State 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:

401513911

Date Received:

01/15/2018

## 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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-21169-00

Well Name: WELLS RANCH

Well Number: 14-11

Location: QtrQtr: SWSW Section: 11 Township: 5N 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: 40.406670 Longitude: -104.413300

GPS Data:

Date of Measurement: 10/20/2010 PDOP Reading: 1.7 GPS Instrument Operator's Name: Steve Cure

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	6608	6616	12/13/2017	B PLUG CEMENT TOP	6558
J SAND	7072	7080	07/23/2004	B PLUG CEMENT TOP	7000

Total: 2 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	412	270	412	0	VISU
1ST	7+7/8	4+1/2	10.5	7,232	242	7,232	5,990	CBL
S.C. 1.1				7,232	300	5,990	3,228	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7000 with 2 sacks cmt on top. CIBP #2: Depth 6558 with 2 sacks cmt on top.  
 CIBP #3: Depth 6286 with 2 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 296 sks cmt from 717 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: ☐  
 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 5 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: 615 ft. of 4+1/2 inch casing Plugging Date: 12/14/2017

\*Wireline Contractor: Ranger

\*Cementing Contractor: C&J

Type of Cement and Additives Used: 15.8#/gal CI G cement with 2% CaCl

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

\*ATTACH JOB SUMMARY

#### Technical Detail/Comments:

Wells Ranch 14-11 (05-123-21169)/Plugging Procedure (Subsequent)  
 Producing Formation (Perforations): Codell: 6608'-6616' J-Sand: 7072'-7080'  
 TD: 7248' PBD: 7183'  
 Surface Casing: 8 5/8" 24# @ 412' w/ 270 sxs  
 Production Casing: 4 1/2" 10.5# @ 7233' w/ 542 sxs cmt (TOC @ 3200' - CBL). Existing CIBP @ 7000' w/ no cement top.  
 Tubing: 2 3/8" tubing set @ 6596' (6/11/2014).

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. Tagged existing CIBP at 7000'.
4. Load dump bailer with 2 sxs of 15.8#/gal CI G cement. TIH with dump bailer and spot on top of existing CIBP.
5. TIH with CIBP. Set BP at 6558'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with CIBP. Set BP at 6286'. Top with 2 sxs 15.8#/gal CI G cement.
7. TIH with casing cutter. Cut 4 1/2" casing at 615'. Pull cut casing.
8. TIH with tubing to 717'. RU cementing company. Mix and pump 296 sxs 15.8#/gal CI G cement with 2% CaCl down tubing to surface.
9. Topped off well with 5 sxs 15.8#/gal CI G cement.
10. 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: 1/15/2018 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: Jacobson, Eric

Date: 11/19/2018

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

--	--

**Attachment Check List**

**Att Doc Num**

**Name**

401513911	FORM 6 SUBSEQUENT SUBMITTED
401513914	CEMENT JOB SUMMARY
401513915	WELLBORE DIAGRAM
401513916	WIRELINE JOB SUMMARY

Total Attach: 4 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)