

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:

401529045

Date Received:

01/29/2018

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: Jenifer Hakkarinen

Name of Operator: PDC ENERGY INC

Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: Tel:

COGCC contact:

Email:

API Number 05-123-22753-00

Well Name: B & B

Well Number: 10-11

Location: QtrQtr: NWNW Section: 10 Township: 5N Range: 67W 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: 40.419470

Longitude: -104.885530

GPS Data:

Date of Measurement: 06/04/2007

PDOP Reading: 1.6

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 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	7188	7200	12/20/2017	B PLUG CEMENT TOP	6833
NIOBRARA	6883	7009	12/20/2017	B PLUG CEMENT TOP	6833
J SAND	7656	7690	05/27/2008	B PLUG CEMENT TOP	7470

Total: 3 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	1,292	910	1,292	0	VISU
1ST	7+7/8	4+1/2	11.6	7,840	495	7,840	3,344	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6833 with 2 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 60 sks cmt from 1800 ft. to 1600 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 630 sks cmt from 1507 ft. to 0 ft. Plug Type: OPEN HOLE 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: 1700 ft. of 4+1/2 inch casing Plugging Date: 12/20/2017

*Wireline Contractor: Cased Hole Solutions

*Cementing Contractor: O-Tex

Type of Cement and Additives Used: 15.8 PPG CL G NEAT

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

*ATTACH JOB SUMMARY

Technical Detail/Comments:

B&B 10-11 (05-123-22753)/Plugging Procedure
Producing Formation (Perforations): Niobrara: 6883'-7009' Codell: 7188'-7200' J-Sand: 7656'-7690'
TD: 7840' PBTD: 7470'
Surface Casing: 8 5/8" 24# @ 1292' w/ 910 sxs
Production Casing: 4 1/2" 11.6# @ 7804' w/ 495 sxs cmt (TOC @ 3344' - CBL). Existing CIBP @ 7470' and 7690'.
Tubing: 2 3/8" tubing set @ 7173' (6/4/2008).
Proposed Procedure:
1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. Load dump bailer with 2 sxs of 15.8#/gal CI G cement. TIH with dump bailer and spot on top of existing CIBP @ 7470'.
4. TIH with CIBP. Set BP at 6833'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with casing cutter. Cut 4 1/2" casing at 1700'. Pull cut casing.
6. TIH with tubing to 1800' mix and pump 60 sxs from 1800'-1600'.
6. TIH with tubing to 1507'. RU cementing company. Mix and pump 630 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
7. 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: Jenifer Hakkarinen

Title: REg TEch Date: 1/29/2018 Email: Jenifer.Hakkarinen@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: 10/15/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

2137508	WIRELIN SUMMARY
401529045	FORM 6 SUBSEQUENT SUBMITTED
401529081	WELLBORE DIAGRAM
401529086	CEMENT JOB SUMMARY

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

Engineer	All submitted	10/15/2018
Engineer	Waiting for the operator to resubmit the wireline ticket and the results of the bradenhead test samples. Form 10(TG)# 400977846 in progress.	07/11/2018

Total: 2 comment(s)