

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:

401940884

Date Received:

02/19/2019

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 05-123-25217-00

Well Name: HANKINS

Well Number: 33-17U

Location: QtrQtr: NWSE Section: 17 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: 40.398250

Longitude: -104.913780

GPS Data:

Date of Measurement: 01/19/2008

PDOP Reading: 3.5

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	7242	7252	01/14/2019	B PLUG CEMENT TOP	7192
J SAND	7714	7728	01/14/2019	B PLUG CEMENT TOP	7664

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	523	410	523	0	VISU
1ST	7+7/8	4+1/2	10.5	7,859	225	7,859	6,352	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7664 with 2 sacks cmt on top. CIBP #2: Depth 7192 with 2 sacks cmt on top.
 CIBP #3: Depth 6863 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 <u>20</u> sks cmt from <u>2514</u> ft. to <u>2256</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>135</u> sks cmt from <u>485</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 255 sacks half in. half out surface casing from 1552 ft. to 485 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: 1400 ft. of 4+1/2 inch casing Plugging Date: 01/16/2019

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

Type of Cement and Additives Used: Class G 15.8 PPG Cement & Type III 14.8 PPG Portland Cement

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

Technical Detail/Comments:

Hankins 33-17U (05-123-25217)/Plugging Procedure
 Producing Formation: J Sand: 7714'-7728' Codell: 7242'-7252'
 Upper Pierre Aquifer: 410'-1220'
 TD: 7888' PBD: 7837.8'
 Surface Casing: 8 5/8" 24# @ 523' w/ 410 sxs cmt
 Production Casing: 4 1/2" 10.5# @ 7859' w/ 225 sxs cmt (TOC @ 6352' - CBL).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7664'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7192'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 6863'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with tubing to 2514'. RU cementing company. Mix and pump 20 sxs 15.8#/gal Class G cement down tubing. TOC at 2256'.
7. TIH with casing cutter. Cut 4 1/2" casing at 1400'. Pull cut casing.
8. TIH with tubing to 1552'. RU cementing company. Mix and pump 390 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 1515'-1100'). 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: 2/19/2019 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.

COGCC Approved:

Date: 5/14/2019

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401940884	FORM 6 SUBSEQUENT SUBMITTED
401940908	CEMENT JOB SUMMARY
401940916	WELLBORE DIAGRAM
401943920	WIRELINER JOB SUMMARY

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

Engineer	*PA ops started before date indicated on form 42. Scheduled start 1/16/19, actual start 1/14/19.	04/30/2019
Engineer	*Form 17 filed. 150 psi -> 0. Sample was NOT taken as required. Emailed valerie.danson@pdce.com 4/30/19 regarding sample.	04/30/2019
Engineer	Form 7 status set to PA. Form 42 filed for flowline abandonment. GPS location appears accurate on maps. Zones and casing history are consistent with approved intent. WBD, procedure and tickets are consistent.	04/30/2019
Permit	Returned to draft for operator to attach additional wireline ticket.	02/18/2019

Total: 4 comment(s)