

FORM
6Rev
02/20

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:

402427070

Date Received:

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:

Type of Well Abandonment Report:



Notice of Intent to Abandon



Subsequent Report of Abandonment

API Number 05-123-37066-00

Well Name: Triangle

Well Number: 4-22

Location: QtrQtr: SENW

Section: 22

Township: 7N

Range: 65W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.561880

Longitude: -104.650360

GPS Data: GPS Quality Value: 2.1 Type of GPS Quality Value: Date of Measurement: 10/03/2013

GPS Instrument Operator's Name: Alan Hnizdo

Reason for Abandonment:



Dry



Production Sub-economic



Mechanical Problems

☐ Other

Casing 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	7646	7660	03/12/2019	B PLUG CEMENT TOP	7590

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	627	235	627	0	VISU
1ST	7+7/8	4+1/2	11.6	7,801	900	7,801	470	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7292 with 2 sacks cmt on top. CIBP #2: Depth 2700 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 26 sks cmt from 1870 ft. to 1528 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 450 ft. with 108 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 59 sacks half in. half out surface casing from 735 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: 05/21/2020
of _____

*Wireline Contractor: Ranger Energy Services

*Cementing Contractor: NexTier

Type of Cement and Additives Used: Class G 15.8 PPG Cement

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

Technical Detail/Comments:

Triangle 4-22 (05-123-37066)/Plugging Procedure
Producing Formation: Codell: 7646'-7660'
Upper Pierre Aquifer: 635'-1700'
TD: 7810' PBTD: 6981' (3/11/2019)
Surface Casing: 8 5/8" 24# @ 627' w/ 235 sxs
Production Casing: 4 1/2" 11.6# @ 7801' w/ 900 sxs cmt (TOC @ 470' - CBL)
Existing CIBP set @ 7590' w/ 2 sx cmt (3/12/2019)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company. TIH and tag dump bail of existing CIBP @ 7566'.
3. TIH with CIBP. Set BP at 7292'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 7342')
4. TIH with CIBP. Set BP at 2700'. Top with 2 sxs 15.8#/gal CI G cement.
5. Run a CBL from 700' to Surface.
6. TIH with perf gun. Shoot squeeze holes @ 450'.
7. TIH with tubing to 1870'. RU cementing company. Mix and pump 26 sxs 15.8#/gal CI G cement down tubing. TOC at 1528'.
8. TIH with tubing to 735'. Mix and pump 59 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
9. Close off casing returns. Hook up cement line to cement flange and pump 108 sxs 15.8#/gal CI G cement downhole and squeeze through perforations @ 450' into annular space. Cement circulate to surface.
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: Valerie Danson

Title: Reg Tech

Date: _____

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: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

402427071	CEMENT BOND LOG
402427072	CEMENT JOB SUMMARY
402427073	OPERATIONS SUMMARY
402427074	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)