

FORM

6

Rev
05/18

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

402216952

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: Peterson, Tom

Tel: (970) 370-1281

COGCC contact:

Email: tom.peterson@state.co.us

API Number 05-123-19820-00

Well Name: FRANK

Well Number: 25-42

Location: QtrQtr: SENE Section: 25 Township: 4N 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: 40.285000

Longitude: -104.832280

GPS Data:

Date of Measurement: 07/15/2010

PDOP Reading: 3.0

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: 1730

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	7268	7284			

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	425	280	425	0	VISU
1ST	7+7/8	4+1/2	11.6	7,435	150	7,435	6,570	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7218 with 2 sacks cmt on top. CIBP #2: Depth 6900 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 <u>10</u> sks cmt from <u>4604</u> ft. to <u>4475</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>100</u> sks cmt from <u>1780</u> ft. to <u>1530</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>180</u> sks cmt from <u>625</u> ft. to <u>0</u> ft.	Plug Type: <u>OPEN HOLE</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"/>

Perforate and squeeze at 4790 ft. with 90 sacks. Leave at least 100 ft. in casing 4605 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 Cut and Cap Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

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

Technical Detail/Comments:

Frank 25-42 (05-123-19820)/Plugging Procedure (Intent)

Producing Formation: Codell: 7268'-7284'

Upper Pierre Aquifer: 500'-1630'

TD: 7435' PBTD: 7370' (8/14/2014)

Surface Casing: 8 5/8" 24# @ 425' w/ 280 sxs

Production Casing: 4 1/2" 11.6# @ 7435' w/ 150 sxs cmt (TOC @ 6570' - CBL).

Tubing: 2 3/8" tubing set @ 7253' (10/11/2014).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7218'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7268')
4. TIH with CIBP. Set BP at 6900'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6950')
5. TIH with perf gun. Shoot lower squeeze holes at 4790' and upper squeeze holes at 4590'.
6. TIH with CICR. Set CICR at 4605'. RU cementing company. Sting in and pump 100 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs cement on top of CICR.
7. TIH with casing cutter. Cut 4 1/2" casing at 1730'. Pull cut casing.
8. TIH with tubing to 1780'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1730'-1530').
9. Pick up tubing to 625'. RU cementing company. Mix and pump 180 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 625'-surface). Cement should 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: Expiration Date:

COA Type Description

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Attachment Check List

Att Doc Num Name

402216974	WELLBORE DIAGRAM
402216975	WELLBORE DIAGRAM
402216977	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group Comment Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)