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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Date Received: 02/13/2018

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 05-123-11509-00

Well Name: MELLON Well Number: 28-2

Location: QtrQtr: SESW Section: 28 Township: 5N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 65461

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: 40.364970 Longitude: -104.900440

GPS Data:

Date of Measurement: 07/25/2007 PDOP Reading: 2.4 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:

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	7000	7010	01/12/2018	B PLUG CEMENT TOP	6664
NIOBRARA	6690	6801	01/12/2018	B PLUG CEMENT TOP	6664

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	331	225	331	0	VISU
1ST	7+7/8	4+1/2	11.6	7,098	225	7,098	6,242	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6664 with 2 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 100 sks cmt from 1600 ft. to 1400 ft. Plug Type: STUB PLUG Plug Tagged: ☐

Set 300 sks cmt from 619 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 4546 ft. with 140 sacks. Leave at least 100 ft. in casing 4365 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: 1500 ft. of 4+1/2 inch casing Plugging Date: 01/12/2018

*Wireline Contractor: Cased Hole Solutions *Cementing Contractor: C&J

Type of Cement and Additives Used: 15.8#/gal Cl G + 2% CaCL2 cement

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

Technical Detail/Comments:

Mellon 28-2 (05-123-11509)/Plugging Procedure
Producing Formation (Perforations): Niobrara: 6690'-6801' Codell: 7000'-7010'
TD: 7105' PBTD: 7015'
Surface Casing: 8 5/8" 24# @ 331' w/ 225 sxs
Production Casing: 4 1/2" 11.6# @ 7094' w/ 225 sxs cmt (TOC @ 6242' - CBL).

Tubing: 2 3/8" tubing set @ 6986' (4/29/2008).
Procedure:
1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6664'. Top with 2 sxs 15.8#/gal Cl G cement.
4. Shoot lower squeeze holes at 4546'. Shoot upper squeeze holes at 4350'.
5. Set CICR at 4365'. Sting in and pump 130 sxs 15.8#/gal Cl G cement. Sting out and pump 10 sxs on top of CICR.
6. TIH with casing cutter. Cut 4 ½" casing at 1500'. Pull cut casing.
7. TIH with tubing to 1600'. RU cementing company. Mix and pump 100 sxs 15.8#/gal Cl G + 2% CaCL2 cement down tubing. Wait 8 hours or overnight. Check to see if there is any bradenhead pressure or fluid flow after stub plug is set. No flow.
8. TIH with tubing to 619'. RU cementing company. Mix and pump 300 sxs 15.8#/gal Cl G+ 2% CaCL2 cement down tubing. 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: Jenifer Hakkarinen

Title: Reg Tech Date: 2/13/2018 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: 8/16/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

Att Doc Num	Name
401544630	FORM 6 SUBSEQUENT SUBMITTED
401544659	WELLBORE DIAGRAM
401544677	CEMENT JOB SUMMARY
401544704	WIRELINE JOB SUMMARY

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	Requested and recieved Form 42 FLO	08/16/2018

Total: 1 comment(s)