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

DE	ET	OE	ES

Document Number: 401762629

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: 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, COGCC contact: Name: Tel: Email:

API Number 05-123-25358-00

Well Name: GUTTERSEN Well Number: 24-33

Location: QtrQtr: SESW Section: 33 Township: 3N Range: 63W 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: 40.176310 Longitude: -104.444750

GPS Data:

Date of Measurement: 06/24/2008 PDOP Reading: 1.7 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	6751	6757	08/01/2018	B PLUG CEMENT TOP	6476
NIOBRARA	6526	6532	08/01/2018	B PLUG CEMENT TOP	6476

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	714	500	714	0	VISU
1ST	7+7/8	4+1/2	10.5	7,357	260	7,357	5,900	CBL
			Stage Tool	4,646	445	4,645	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6476 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 40 sks cmt from 4903 ft. to 4389 ft. Plug Type: CASING Plug Tagged: ☐

Set 25 sks cmt from 1813 ft. to 1429 ft. Plug Type: CASING Plug Tagged: ☐

Set 80 sks cmt from 917 ft. to 0 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: ☐

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: _____ ft. of _____ inch casing Plugging Date: 08/01/2018

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

Type of Cement and Additives Used: 15.8 PPG CL G NEAT, TYPE III 14.8 PPG

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

Technical Detail/Comments:

Guttersen 24-33 (05-123-25358)/Plugging Procedure
Producing Formation (Perforations): Niobrara: 6526'-6532' Codell: 6751'-6757'
TD: 7358' PBTD: 7340'
Surface Casing: 8 5/8" 24# @ 714' w/ 500 sxs
Production Casing: 4 ½" 10.5# @ 7357' w/ 705 sxs cmt (First Stage TOC @ Surface; Second Stage TOC @ 5900' - CBL). DV Tool @ 4646'.

Tubing: 2 3/8" tubing set @ 6737' (5/29/2008)
Procedure:
1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6476'. Top with 2 sxs 15.8#/gal Cl G cement.
4. TIH with tubing to 4903'. RU cementing company. Mix and pump 40 sxs 15.8#/gal Cl G cement down tubing.
5. TIH to 1813' mix and pump 25 sxs of cement from 1813'-1429'.
6. TIH with tubing to 914'. RU cementing company. Mix and pump 75 sxs 15.8#/gal Cl G cement down tubing. Cement should 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: _____ 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: Date:

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

Att Doc Num	Name
401762712	WELLBORE DIAGRAM
401762716	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)