

FORM
6Rev
12/05State 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:

400620220

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: Christine Brookshire

Name of Operator: PDC ENERGY INC

Phone: (303) 860-5800

Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203

Email: christine.brookshire@pdce.com

For "Intent" 24 hour notice required,

Name: _____

Tel: _____

COGCC contact:

Email: _____

API Number 05-123-11572-00

Well Name: CUYKENDALL

Well Number: 1-31

Location: QtrQtr: NENE Section: 31 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: 40.186440

Longitude: -104.474640

GPS Data:

Date of Measurement: 10/19/2010

PDOP Reading: 1.8

GPS Instrument Operator's Name: Steve Cure

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☐ Other _____Casing to be pulled: ☐ Yes ☐ No Estimated Depth: _____Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore 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
J SAND	7276	7324	05/09/2014		

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	356	260	356	0	CALC
1ST	7+7/8	4+1/2	11.6	7,445	300	7,445	6,330	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7225 with 2 sacks cmt on top. CIBP #2: Depth 6510 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4500 ft. with 375 sacks. Leave at least 100 ft. in casing 3520 CICR Depth

Perforate and squeeze at 500 ft. with 220 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: 05/09/2014

*Wireline Contractor: Nabors

*Cementing Contractor: Halliburton

Type of Cement and Additives Used: HalCem 13.5ppg 1.42 yield Econocem, G&E 15.8 ppg 1.15 yield

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Plugging Procedure/Cuykendall 1-31

Codell and Niobrara

Existing Perforations:

Jsand: 7274'- 7350'

Codell:

Niobrara:

PBTD: 7431"

8 5/8" 24# @ 356' W/ 260 sks cmt.

4 1/2" 11.6# @ 7445' w/ 300 sks cmt

Procedure:

1) MIRU wireline, tag cement retainer at 7305'

2) RIH w/CIBP set at 7225'

3) RIH w/dump bailer and dump 2 sks cement on top of CIBP

4) RIH w/CIBP set at 6510'

5) RIH w/dump bailer and dump 2 sks cement on top of CIBP

6) RIH and shot squeeze holes 4500'-4509'

7) Set cement retainer at 3520'

8) RIH and shot squeeze holes 3200'-3209'

9) Stab into cement retainer @ 3520', circulate 375 sks cement from 4509' to 3200'

10) RIH and shot squeeze holes 500'-501'

11) Circulate 220 sks to surface from 501' (down casing and up annulus).

12) Tagged cement top at 4'

12) Cut surface casing at 6' 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: Christine Brookshire

Title: Regulatory Tech Date: _____ Email: christine.brookshire@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: _____

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400620236	CEMENT JOB SUMMARY
400620237	WIRELINE JOB SUMMARY
400628196	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)