

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



DE ET OE ES

Document Number:

400964315

Date Received:

01/05/2016

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: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-20430-00

Well Name: STATE

Well Number: 22-4

Location: QtrQtr: SENW Section: 4 Township: 5N 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: 40.430310

Longitude: -104.444390

GPS Data:

Date of Measurement: 03/05/2007

PDOP Reading: 1.9

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 600

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	6810	6816			
J SAND	7286	7278	07/18/2002	BRIDGE PLUG	6920

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	402	285	402	0	VISU
1ST	7+7/8	4+1/2	10.5	7,428	260	7,248	6,285	CBL
S.C. 1.1				7,428	29	6,285	2,895	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6920 with 2 sacks cmt on top. CIBP #2: Depth 6770 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 _____ 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 240 sacks half in. half out surface casing from 650 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. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

State #22-4 (05-123-20430)/Plugging Procedure (Intent)
Producing Formation: Codell 6810'-6816'
Abandoned Perforations: J Sand 7268'-7278'
Existing CIBP: Set at 6920' without cement
TD: 7509' PBTD: 7386'
Surface Casing: 8?" 24# @ 402' w/ 285 sks cmt.
Production Casing: 4½" 10.5# @ 7428' w/ 535 sks cmt (TOC 2885'CBL).

Tubing: 2?" 4.7# J-55 EUE set at 6801'.

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2?" tubing.
2. RU wireline company. TIH with dump bailer. Spot 2 sxs cement on top of CIBP at 6920'.
3. TIH with CIBP. Set bridge plug at 6870'. TIH with dump bailer. Spot 2 sxs cement on top of CIBP at 6870'.
4. TIH with casing cutter. Cut 4½" casing at 600'. Pull 4½" casing.
5. TIH with tubing to 650'. Mix and pump 240 sxs of 15.8#/gal CI G cement. Cement should circulate to surface.
6. 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: 1/5/2016 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.

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/13/2016

COA Type**Description**

	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 650' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 302' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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Attachment Check List**Att Doc Num****Name**

400964315	FORM 6 INTENT SUBMITTED
400964351	WELLBORE DIAGRAM
400964352	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments**User Group****Comment****Comment Date**

Engineer	Waiting on operator to relocate Codell CIBP above the Codell perfs, currently at 6870 with perfs from 6810-6816. Operator agreed CIBP should be at 6770 and not at 6870.	1/14/2016 12:48:48 PM
Permit	Operator to provide date abandoned, method of isolation and plug depth for the j sand formation/zone. Permit task passed.	1/12/2016 8:14:15 AM
Public Room	Document verification complete 01/11/16	1/11/2016 12:20:36 PM

Total: 3 comment(s)