

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:

401046967

Date Received:

05/13/2016

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: Helgeland, Gary

Tel: (970) 216-5749

COGCC contact:

Email: gary.helgeland@state.co.us

API Number 05-013-06361-00

Well Name: MEMCO MC

Well Number: 8-01

Location: QtrQtr: NENE Section: 8 Township: 1N Range: 69W Meridian: 6

County: BOULDER

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: 40.071093

Longitude: -105.133049

GPS Data:

Date of Measurement: 07/29/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 890

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
NIOBRARA-CODELL	7392	7788			

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	690	395	690	0	VISU
1ST	7+7/8	3+1/2	7.7	7,925	210	7,925	6,800	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7350 with 2 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 315 sacks half in. half out surface casing from 990 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. _____ inch casing Plugging Date: _____
of _____

*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:

Memco MC 8-01 (05-013-06361)/Plugging Procedure (Intent)

Producing formation: Niobrara/Codell

Existing Perforations: Niobrara/Codell – 7,392'-7,788'

TD: 7,935' PBTD: 7,906'

Surface Casing: 8 5/8" 24# @ 690' w/ 395 sks class "A" +250 sks Lte +100 sks class "A" cmt.

Production Casing: 3 1/2" 7.7# @ 7,925' w/ 210 sks cmt (TOC at 6,800').

Most Recent Tubing Record (1/22/2004): 227 jts 1.9" J-55 landed at 7397'.

Proposed Procedure:

1. MIRU pulling unit.
2. Blow down to tanks. Load with fluid to kill well.
3. Circulate and condition well for P&A ops.
4. TOOH with 227 jts of 1.9" production tubing.
5. Obtain GYRO survey from PBTD to surface.
6. Rig up wireline. RIH with CIBP. Set CIBP at 7,350'.
7. Load dump bailer with 2sx of 15.8#/gal CI G cement. RIH with dump bailer and spot on top of CIBP.
8. RIH w/ casing cutter and cut production casing above TOC at 890'. Pull 3 1/2" casing out of hole.
9. TIH with workstring to 990'. Circulate and condition to prepare for surface plug.
10. RU cementers. Mix and pump cement stub plug to surface (990') with 315 sks of 15.8#/gal CL G cement. Confirm cement to surface.
11. 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: 5/13/2016 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.

COGCC Approved: BURN, DIANA

Date: 7/26/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 1/25/2017

COA Type

Description

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 990' plug(stub plug): pump plug and displace. If not circulated to surface then tag plug – must be 300' or shallower and provide 10 sx plug at the surface. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
--	--

Attachment Check List

Att Doc Num

Name

401046967	FORM 6 INTENT SUBMITTED
401046987	WELLBORE DIAGRAM
401046989	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	SB5 blank DIL good	7/10/2016 2:40:43 PM
Public Room	Document verification complete 05/18/16	5/18/2016 10:19:39 AM

Total: 2 comment(s)