

FORM
6Rev
12/05

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:

401128235

Date Received:

10/11/2016

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: _____ Tel: _____

COGCC contact:

Email: _____

API Number 05-123-13274-00

Well Name: STROH

Well Number: 14-1

Location: QtrQtr: NWSW Section: 14 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68497

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: 40.310640

Longitude: -104.865470

GPS Data:

Date of Measurement: 07/15/2010

PDOP Reading: 2.7

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
NIORARA-CODELL	6887	7217	07/28/2016	B PLUG CEMENT TOP	6837

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	321	275	321	0	VISU
1ST	7+7/8	2+7/8	6.4	7,290	450	7,290	5,634	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6837 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 185 sks cmt from 621 ft. to 0 ft. Plug Type: STUB PLUG 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 _____ 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: 520 ft. of 4+1/2 inch casing Plugging Date: 07/28/2016

*Wireline Contractor: Magna

*Cementing Contractor: Magna

Type of Cement and Additives Used: 15.8 ppg Class G Cement

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

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Stroh #14-1 (05-123-13274)/Plugging Procedure
Producing formation: Niobrara/Codell
Existing Perforations: Niobrara/Codell - 6,887'-7,217'
TD: 7,295' PBTD: 7,284' (re-stim report 2001)
Surface Casing: 8 5/8" 24# @ 321' w/ 275 sks cmt.
Production Casing: 2 7/8" 6.4# @ 7,290' w/ 450 sks cmt (TOC at 5,776').
Most Recent Production Tubing Info (11/2001) – 1.9" @ 7,179'

Procedure:

1. MIRU pulling unit.
2. TOOH with 218 jts of 1.9" production tubing..
3. Rig up wireline. RIH with CIBP. Set CIBP at 6,837'.
6. Load dump bailer with 2sx of 15.8#/gal CL G cement. TIH with dump bailer and spot on top of CIBP.
7. RIH w/ casing cutter and cut casing at 520'. Pull 2 7/8" casing out of hole.
8. TIH with workstring to 621'. Circulate and condition well in preparation to pump surface plug.
9. RU cementers. Mix and pump cement stub plug to surface (620' of cement) with 185 sks of 15.8#/gal CL G cement. Confirm cement to surface.
10. 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: 10/11/2016 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, Eric

COGCC Approved:

Date: 3/20/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

--	--

Attachment Check List

Att Doc Num

Name

401128235	FORM 6 SUBSEQUENT SUBMITTED
401128262	WELLBORE DIAGRAM
401128278	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Agency	Gyro received 3/20/2018	03/20/2018
Permit	ON HOLD; - A Gyro survey was run during the plugging of this well according to document # 401128278. Please email to me a copy of that Gyro survey. Form 6 SRA # 401128235 will be ON HOLD pending receipt of that Gyro.	06/06/2017

Total: 2 comment(s)