

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:

401107801

Date Received:

09/12/2016

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: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-123-12433-00

Well Name: ROTH

Well Number: 1

Location: QtrQtr: SENW Section: 14 Township: 5N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68258

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: 40.401389

Longitude: -104.632500

GPS Data:

Date of Measurement: 05/04/2010

PDOP Reading: 2.7

GPS Instrument Operator's Name: Chuck Kraft

Reason for Abandonment:

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

Estimated Depth: 775

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	6972	6978			
NIOBRARA	6688	6866			

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	574	505	574	0	VISU
1ST	7+7/8	5+1/2	17	7,600	490	7,600	4,800	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7385 with 2 sacks cmt on top. CIBP #2: Depth 6638 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 300 sks cmt from 825 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: _____ 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:

Roth #1 (05-123-12433)/Plugging Procedure (Intent)
Producing Formation: Niobrara 6688'-6866' Codell 6972'-6978'
TD: 7600' PBD: 7517'
Surface Casing: 8 5/8" 24# @ 574' w/ 505 sxs
Production Casing: 5 1/2" 17# @ 7600' w/ 490 sks cmt (TOC 4800' - Calculated-No CBL available)

Tubing: 2 7/8" tubing set at 7078'. (12/15/1999)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 7/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 7385'. Top with 2 sxs 15.8#/gal CI G cement. (Note: This well has a history of sand fill up below the Codell.)
4. TIH with CIBP. Set CIBP at 6638'. Top with 2 sxs 15.8#/gal CI G cement.
5. Run cement bond log. If top of cement is not above 6400' notify Denver office to prepare a remedial cementing procedure.
6. TIH with casing cutter. Cut 5 1/2" casing at 775'. Recover 5 1/2" casing.
7. TIH with tubing to 825'. Mix and pump 300 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
8. 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: Kelsi Welch

Title: Regulatory Analyst Date: 9/12/2016 Email: kelsi.welch@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: 9/29/2016

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/28/2017

COA Type

Description

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For the 825' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 524' 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. 4) Prior to initiation of plugging operations, a Bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days.
	COA: Operator is to submit fresh GPS data with Form 6 SRA. Existing GPS spot not consistent w/ aerial photo evidence.

Attachment Check List

Att Doc Num

Name

401107801	FORM 6 INTENT SUBMITTED
401107806	WELLBORE DIAGRAM
401107807	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Permit	Form 7 is OK.	9/26/2016 10:19:51 AM
Public Room	Document verification complete 09/13/16	9/13/2016 10:00:06 AM

Total: 2 comment(s)