

Document Number:
401540262

Date Received:
02/08/2018

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: O'Donnell, Shaun Tel: (720) 305-8280

COGCC contact: Email: shaun.odonnell@state.co.us

API Number 05-123-24913-00

Well Name: SCHRANT Well Number: 34-12

Location: QtrQtr: SWSE Section: 12 Township: 6N Range: 64W 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: 40.495360 Longitude: -104.495940

GPS Data:
Date of Measurement: 03/28/2007 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: 950

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	6832	6842			
NIOBRARA	6662	6678			

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	747	410	747	0	VISU
1ST	7+7/8	4+1/2	10.5	7,019	675	7,019	970	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6612 with 2 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 20 sks cmt from 2915 ft. to 2675 ft. Plug Type: CASING Plug Tagged:
Set 425 sks cmt from 1000 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:
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. _____ 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:

Schantz 34-12 (05-123-24913)/Plugging Procedure (Intent)
Producing Formation: Niobrara: 6662'-6678' Codell: 6832'-6842'
Upper Pierre Aquifer: 2776'-2806'
TD: 7022' PBTD: 6948'
Surface Casing: 8 5/8" 24# @ 747' w/ 410 sxs
Production Casing: 4 1/2" 10.5# @ 7019' w/ 675 sxs cmt (TOC @ 970' - CBL).

Tubing: 2 3/8" tubing set @ 6813' (4/16/2007).

Proposed Procedure:

1. Run gyro survey.
2. MIRU pulling unit. Pull 2 3/8" tubing.
3. RU wireline company.
4. TIH with CIBP. Set BP at 6612'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with tubing to 2915'. RU cementing company. Mix and pump 20 sxs 15.8#/gal CI G cement down tubing. TOOH with tubing.
6. TIH with casing cutter. Cut 4 1/2" casing at 950'. Pull cut casing.
7. TIH with tubing to 1000'. Mix and pump 425 sxs 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: Jenifer Hakkarinen
Title: REg TEch Date: 2/8/2018 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:

Date: 3/12/2018

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 9/11/2018

COA Type

Description

	1)Submit Form 42 electronically to COGCC 48 hours prior to MIRU 2)Prior to placing the 1000' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging requirements. 3)After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 697' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in 4)the wellbore for each plug. 5)Properly abandon all flowlines. Once flowlines are properly abandoned, file electronic form 42.
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.

Attachment Check List

Att Doc Num

Name

401540262	FORM 6 INTENT SUBMITTED
401540268	WELLBORE DIAGRAM
401540269	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	Bradenhead test dated 02/13/2018 shows no pressure/no flows. No additional Bradenhead test is required.	03/09/2018
Permit	pass	02/20/2018
Public Room	Pass	02/16/2018

Total: 3 comment(s)