

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:

401217533

Date Received:

02/23/2017

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: Helgeland, Gary

Tel: (970) 216-5749

COGCC contact:

Email: gary.helgeland@state.co.us

API Number 05-123-15676-00

Well Name: SCHMIDT

Well Number: 33-35

Location: QtrQtr: NWSE Section: 35 Township: 1N Range: 67W 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: 40.004189

Longitude: -104.853084

GPS Data:

Date of Measurement: 07/02/2010

PDOP Reading: 2.5

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Estimated Depth: 1250

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☒ Yes☐ No

If yes, explain details below

Details: Holes found in production casing from 4005'-4067'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	8136	8176	02/22/2017	B PLUG CEMENT TOP	8076

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	1,028	575	1,028	0	VISU
1ST	7+7/8	4+1/4	11.6	8,454	200	8,454	7,098	CBL
S.C. 1.1				5,306	165	5,306	4,572	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8076 with 2 sacks cmt on top. CIBP #2: Depth 7186 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 475 sks cmt from 1300 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 4067 ft. with 170 sacks. Leave at least 100 ft. in casing 3800 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:

Schmidt 33-35 (05-123-15676)/Plugging Procedure (Intent)
Plugged Back Formation: J Sand 8136'-8176'
Existing CIBP's set at: 8076' with 2 sxs cmt and 7186' with 2 sxs cmt
TD: 8454' PBD: 8395'
Surface Casing: 8 5/8" 24# @ 1028' w/ 575 sxs.
Production Casing: 4 1/2" 11.6# @ 8454' w/ 200 sxs cmt (TOC at 7098' CBL)
165 sxs were pumped ahead of gel spacer (4572'-5306' CBL)
Note holes in production casing from 4005'-4067'

Tubing: 2 3/8" tubing set at 6821'. (2/14/2017)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company. Run gyro survey from 7100' to surface.
3. TIH with Cement Retainer. Set retainer at 3800'.
4. TIH with tubing. Sting into retainer. RU cementing company. Mix and pump 170 sxs 15.8#/gal CI G cement down tubing. Pull out of retainer.
5. TIH with casing cutter. Cut 4 1/2" casing at 1250' Pull cut casing.
6. TIH with tubing to 1300'. RU cementing company. Mix and pump 475 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
7. 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: Production Tech

Date: 2/23/2017

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: McCoy, Diane

Date: 3/2/2017

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 9/1/2017

COA Type**Description**

	1) Due to wellbore integrity issue this well must be plugged or repaired by August 22, 2017. 2) Provide 48 hour notice of plugging MIRU via electronic Form 42. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Please submit gyro survey data with Form 6 Subsequent Report of Abandonment. 5) Submit cement and wireline tickets for plugs placed in February 2017 with Form 6 Subsequent. 6) If plug at 1300' is not circulated to surface then tag plug – must be 619' or shallower and provide a 15 sack plug at the surface.
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Attachment Check List**Att Doc Num****Name**

401217533	FORM 6 INTENT SUBMITTED
401217540	WELLBORE DIAGRAM
401217543	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Engineer	Added CIBPs set in February at 8076' and 7186' to this form.	03/02/2017
Public Room	Document verification complete 03/02/17	03/02/2017
Permit	Need 5A for Jsand abandonment.	02/28/2017

Total: 3 comment(s)