

FORM
6

Rev
05/18

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: 401634722			
Date Received: 05/09/2018			

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: _____ Tel: _____
 COGCC contact: Email: _____

API Number 05-123-22851-00 Well Number: 11-24
 Well Name: GREEN
 Location: QtrQtr: NWNW Section: 24 Township: 7N Range: 65W 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: 40.564310 Longitude: -104.618000
 GPS Data:
 Date of Measurement: 04/18/2008 PDOP Reading: 2.3 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
CODELL	7220	7228	04/04/2018	B PLUG CEMENT TOP	7170

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	544	300	544	0	VISU
1ST	7+7/8	4+1/2	10.5	7,395	430	7,395	3,412	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7170 with 2 sacks cmt on top. CIBP #2: Depth 6904 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 20 sks cmt from 3103 ft. to 2845 ft. Plug Type: CASING 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 1900 ft. with 155 sacks. Leave at least 100 ft. in casing 1615 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 290 sacks half in. half out surface casing from 850 ft. to 0 ft. Plug Tagged:

Set 10 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: 750 ft. 4+1/2 inch casing Plugging Date: 04/09/2018
of _____

*Wireline Contractor: Cased Hole Solutions

*Cementing Contractor: C&J

Type of Cement and Additives Used: 15.8 PPG CL G NEAT

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Green 11-24 (05-123-22851)/Plugging Procedure
Producing Formation: Codell: 7220'-7228'
Upper Pierre Aquifer: 2688'-2732'
TD: 7413' PBTD: 7350'
Surface Casing: 8 5/8" 24# @ 544' w/ 300 sxs
Production Casing: 4 1/2" 10.5# @ 7395' w/ 430 sxs cmt (TOC @ 3412' - CBL).

Tubing: 2 3/8" tubing set @ 7109' (11/11/2015).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7170'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 6904'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with casing cutter. Cut 4 1/2" casing at 3000'. Unable to pull cut casing.
6. TIH with tubing to 3103'. RU cementing company. Mix and pump 20 sxs 15.8#/gal CI G cement with 2% CaCl down tubing to 2845'.
7. TIH with perf gun to 1900' shoot 6 squeeze holes. TIH with CICR to 1615'. Set CICR.
8. Sting into CICR mix and pump 155 sxs 15.8#/gal CI G cement.
9. TIH with casing cutter. Cut 4 1/2" casing at 750'. Pull cut casing.
10. Pick up tubing to 850'. Mix and pump 300 sxs 15.8#/gal CI G cement down tubing. Cement circulate 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: 5/9/2018

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: Strathman, Elliot

Date: 12/11/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

Att Doc Num	Name
401634722	FORM 6 SUBSEQUENT SUBMITTED
401634725	WELLBORE DIAGRAM
401634742	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)