

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



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Date Received:

01/14/2015

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 05-123-10892-00

Well Name: STEINWALD

Well Number: 1

Location: QtrQtr: NWNW Section: 3 Township: 1N 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: 40.084879

Longitude: -104.543027

GPS Data:

Date of Measurement: 01/27/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Robert Girillego

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☐ No Estimated Depth:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore 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
J SAND	7642	7664	10/03/2014	B PLUG CEMENT TOP	7590

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	210	175	210	0	VISU
1ST	7+7/8	4+1/2	11.6	7,780	325	7,780	6,990	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7590 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 6946 ft. with 79 sacks. Leave at least 100 ft. in casing 6760 CICR Depth

Perforate and squeeze at 1400 ft. with 141 sacks. Leave at least 100 ft. in casing 1115 CICR Depth

Perforate and squeeze at 100 ft. with 433 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 13 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: 10/03/2014

*Wireline Contractor: Magna

*Cementing Contractor: Magna

Type of Cement and Additives Used: _____

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

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Plugging Procedure for STEINWALD 1

J Sand

Existing Perforations:

J sand: 7642' -7647', 7654' - 7664'

PBTD: 7734'

8 5/8" 24# @ 210' W/ 175 sks cmt.

4 1/2" 11.6# @ 7780' w/ 325 sks cmt

Procedure

MIRU rig

1) Pulled production tubing

2) MIRU wireline

3) TIH w/ CIBP set @ 7590'

4) RIH w/dump bailer and dump 2 sx cement on top of CIBP

5) Run CBL from 7578' - surface

6) Shoot squeeze holes @ 6946' and 6746'

7) RIH set cement retainer @ 6760'

8) Pump 79 sacks cement through cement retainer, down 4 1/2" and up 4 1/2" x 7 7/8" annulus

9)

10) Shoot squeeze holes @ 1400' and 1100'

11) RIH w/ CIBP @ 1115'

12) Pump 141 sacks cement through cement retainer, down 4 1/2" and up 4 1/2" x 7 7/8" annulus

13) Set 100 sack plug @ 433'-120'

14) Cut casing 6' below surface

15) Dump 13 sacks cement at surface

16) 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: Regulatory Tech Date: 1/14/2015 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: George, Travis Date: 12/11/2015

CONDITIONS OF APPROVAL, IF ANY:

COA Type Description

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Attachment Check List

Att Doc Num Name

400739697	FORM 6 SUBSEQUENT SUBMITTED
400766869	WELLBORE DIAGRAM
400766877	CEMENT BOND LOG
400771402	CEMENT JOB SUMMARY
400771407	WIRELINE JOB SUMMARY

Total Attach: 5 Files

General Comments

User Group Comment Comment Date

Public Room	Document verification complete 12/9/15	12/9/2015 12:18:47 PM
Agency	Form 6 (N) recieved more than 6 months prior to receipt of Form 6 (S).	1/9/2015 1:54:55 PM

Total: 2 comment(s)