

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:

400453786

Date Received:

07/25/2013

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: (303) 8605838

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-001-06679-00

Well Name: LETTERLY-SCOTT

Well Number: 1

Location: QtrQtr: NENE Section: 24 Township: 1S Range: 67W Meridian: 6

County: ADAMS

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: 39.953611 Longitude: -104.831944

GPS Data:

Date of Measurement: 01/19/2010 PDOP Reading: 1.8 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	8174	8186			

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	23	216	200	216	0	VISU
1ST	7+7/8	5	18	8,268	200	8,268	7,300	CALC
			Stage Tool	1,110	200	1,110	0	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8150 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 5100 ft. with 200 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 200 sacks half in. half out surface casing from 500 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: _____ 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:

Plugging Procedure

J-Sand

Existing Perforations:

J-Sand: 8174'-8186'

PBTD: 8268'

8 5/8" 24# Casing set @ 216' cemented w/ 200 sx

5" 18# Casing set @ 8268' cemented w/ 200 sx

Procedure:

1)MIRU Workover Rig

2)Pull production tubing

3)MIRU wireline

4)RIH w/CIBP set @ 8150'

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

6)RIH w/guns, perforate at 5100' and 1150'

7)RIH w/cement retainer, set above perfs at 5100', circulate 200sx cement to 1150' through casing annulus.

8)TOH and set 200 sack cement plug 500' to surface

9)Set 10 sx @ top of surface

10)Cut casing 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: Regulatory Tech Date: 7/25/2013 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: 9/14/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/13/2014

COA Type

Description

	<p>NOTE: Changes in plugging procedure</p> <p>1) Provide 24 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at James.Precup@state.co.us.</p> <p>2) Run CBL verifying stage cement is from at least 1110' and is 50' into surface casing shoe (160'). If not present, contact COGCC.</p> <p>3) Place at least 2 sx cement on top of CICR</p> <p>4) For 500' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 170' or shallower, place 10 sx inside and outside of casing at surface). Leave at least 100' cement in the casing for each plug.</p> <p>5) Properly abandon flowlines as per Rule 1103.</p>
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Attachment Check List

Att Doc Num

Name

400453786	FORM 6 INTENT SUBMITTED
400453835	WELLBORE DIAGRAM
400453836	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	<p>LOCATION: SE1/4 OF NE1/4 OF SEC. 24, T.1s., R.67W. (1585 NSL, 1164 ESL)</p> <p>Ground Elevation: 5010 Number of Acres: 160</p> <p>ELEVATION DEPTH TO ANNUAL ----- NET ----- APPROP STATUS AQUIFER BOT. TOP SAND BOT. TOP A-F ----- UPPER DAWSON ---- LOWER DAWSON ---- DENVER ---- UPPER ARAPAHOE 4875 4902 10.7 135 108 2.92 NNT LOWER ARAPAHOE 4583 4820 110.8 427 190 30.14 NT LARAMIE-FOX HILLS 3911 4143 167.9 1099 867 40.30 NT</p> <p>note: E indicates location is at aquifer boundary and values may be more approximate.</p> <p>Elevation of the bottom and the depth to the bottom of the Upper Arapahoe are approximate and should be checked against DENVER BASIN ATLAS NO. 3</p>	9/14/2013 1:12:43 PM
Permit	Completion or recompletion report doc. # 340686 dated 7/24/1973	7/26/2013 7:07:56 AM

Total: 2 comment(s)