

FORM

6

Rev
12/05

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:

400527121

Date Received:

12/16/2013

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: Rickard, Jeffrey

Tel: _____

COGCC contact:

Email: jeffrey.rickard@state.co.us

API Number 05-123-19427-00

Well Name: LATHAM

Well Number: 2-31

Location: QtrQtr: SESW Section: 2 Township: 4N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 57809

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: 40.335796

Longitude: -104.632758

GPS Data:

Date of Measurement: 07/22/2010

PDOP Reading: 2.4

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment: ☐ Dry ☐ Production for 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	7320	7337			

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	405	285	405	0	
1ST	7	4+1/2	11.6	7,496	1,206	7,496	0	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7270 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 200 sks cmt from 3500 ft. to 4500 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 _____ 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 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

Codell

Existing Perforations:

Codell: 7320'-7337'

PBTD: 7458'

8 5/8" 24# @ 405' w/ 285 sks cmt.

4.5" 11.6# @ 7496' w/ 1206 sks cmt

Procedure:

1. MIRU wireline

2. RIH w/ CBL to verify cement tops

3. RIH w/dump bailer and dump 2 sx cement on top of CIBP @ 7000'

4. TIH to set 200 sack plug @ Parkman/Sussex (~3500'~4500')

5. TOH and fill casing with cement from 500' to surface

6. Set 10 sx @ top of surface

7. 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: 12/16/2013 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: JENKINS, STEVE Date: 12/17/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 6/16/2014

COA Type**Description**

	NOTE: Change in plugging procedure 1) Please file a Form 42 for notice of plugging operations prior to proceeding with the plugging. 2) For 4500' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 3500' or shallower). Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103.
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Attachment Check List**Att Doc Num****Name**

400527121	FORM 6 INTENT SUBMITTED
400527126	WELLBORE DIAGRAM
400527127	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Engineer	LOCATION: SE 1/4 OF SW 1/4 OF SEC. 2, TOWNSHIP 4N, RANGE 65W (598 FSL, 1990 FWL) GROUND ELEVATION 4665'. DEEPEST WATER WELL WITHIN 1 MILE IS 200', BOTTOM OF THE FOX HILLS AT THE WELL SITE: 251', TOP 17'.	12/17/2013 1:46:49 PM
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Total: 1 comment(s)