

FORM
6Rev
05/18State 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:

401767669

Date Received:

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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-12669-00

Well Name: LANDAU

Well Number: 2

Location: QtrQtr: NESE Section: 3 Township: 5N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 56037

Field Name: GREELEY

Field Number: 32760

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.426243

Longitude: -104.642120

GPS Data:

Date of Measurement: 05/04/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Chuck Kraft

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	6931	6942			

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	336	400	336	0	VISU
1ST	7+7/8	4+1/2	11.6	7,037	300	7,037	5,764	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6881 with 2 sacks cmt on top. CIBP #2: Depth 6556 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 255 sks cmt from 1715 ft. to 1300 ft. Plug Type: CASING Plug Tagged: ☐
Set 340 sks cmt from 536 ft. to 0 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: ☐

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 _____ 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

PLEASE NOTE:

Possible DV Tool @ 3058' with possible annular cement 3058'- Surface (unknown sxs)

Run CBL from 3500' to surface to determine if there is a DV tool at 3058' and if there is annular fill cement. If cement doesn't run to surface contact engineer to proceed.

Landau 2 (05-123-12669)/Plugging Procedure (Intent)

Producing Formation: Codell: 6931'-6942'

Upper Pierre Aquifer: 385'-1400'

TD: 7075' PBTD: 6997'

Surface Casing: 8 5/8" 24# @336' w/ 400 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7037' w/ 300 sxs cmt (TOC @ 5764' – CBL).

Possible DV Tool @ 3058' with possible annular cement 3058'- Surface (unknown sxs)

Tubing: 2 3/8" tubing set @ 6924.3' (11/6/2008).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.

2. RU wireline company.

3. TIH with CIBP. Set BP at 6881'. Top with 2 sxs 15.8#/gal CI G cement.

4. TIH with CIBP. Set BP at 6556'. Top with 2 sxs 15.8#/gal CI G cement.

5. Run CBL from 3500' to surface to determine if there is a DV tool at 3058' and if there is annular fill cement. If cement doesn't run to surface contact engineer to proceed.

a. If there is a DV Tool at 3058', and cement goes to surface, TIH with tubing to 3308'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (DV tool coverage 3308'- 2808').

b. Pick up tubing to 1600'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage 1600'-1100').

c. Pick up with tubing to 536'. Mix and pump 45 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.

6. If there is no DV tool and no annular fill cement, TIH with casing cutter. Cut 4 1/2" casing at 1600'. Pull cut casing.

a. TIH with tubing to 1715'. RU cementing company. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCL down tubing (Pierre coverage 1715'-1300').

b. Pick up tubing to 536'. Mix and pump 340 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.

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: Jenifer Hakkarinen

Title: REg TEch

Date: _____

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: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: _____

COA Type

Description

--	--

Attachment Check List

Att Doc Num

Name

401767699	WELLBORE DIAGRAM
401767701	WELLBORE DIAGRAM
401767703	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)