

FORM
6Rev
02/20

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:

402102054

Date Received:

07/10/2019

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: Valerie Danson

Name of Operator: PDC ENERGY INC

Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required,

Name:

Tel:

COGCC contact:

Email:

Type of Well Abandonment Report: ☐ Notice of Intent to Abandon ☒ Subsequent Report of Abandonment

API Number 05-123-17371-00

Well Name: OLANDER

Well Number: U 14-11

Location: QtrQtr: NESW Section: 14 Township: 2N Range: 68W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.136984 Longitude: -104.972272

GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 07/23/2010

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment: ☐ Dry ☐ Production 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
CODELL	7455	7472	06/18/2019	B PLUG CEMENT TOP	7405

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	615	430	615	0	VISU
1ST	7+7/8	3+1/2	7.7	7,626	180	7,626	6,577	CBL
S.C. 2.1				5,600	540	5,600	3,500	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7405 with 2 sacks cmt on top. CIBP #2: Depth 7123 with 2 sacks cmt on top.
CIBP #3: Depth 4000 with 2 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 130 sks cmt from 1650 ft. to 1200 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 226 sacks half in. half out surface casing from 815 ft. to 0 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: 1500 ft. 3+1/2 inch casing Cut and Cap Date: 06/19/2019
of

*Wireline Contractor: Ranger Energy Services *Cementing Contractor: C&J Energy Services

Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Olander U 14-11 (05-123-17371)/Plugging Procedure
Producing Formation: Codell: 7455'-7472'
Upper Pierre Aquifer: 250'-1345'
TD: 7626' PBTD: 7626'
Surface Casing: 8 5/8" 24# @ 615' w/ 430 sxs
Production Casing: 3 1/2" 7.7# @ 7626' w/ 180 sxs cmt (TOC @ 6577' - CBL).
2nd Stage Cement @ 5600' w/ 540 sxs (TOC @ 3500' - CBL).

Procedure:

1. MIRU pulling unit. Pull 2 1/16" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7405'. Top with 2 sxs 15.8#/gal CI G cmt.
4. TIH with CIBP. Set BP at 7123'. Top with 2 sxs 15.8#/gal CI G cmt.
5. TIH with CIBP. Set BP at 4000'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 3 1/2" casing at 1500'. Pull cut casing.
7. TIH with tubing to 1650'. RU cementing company. Mix and pump 130 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 1615'-1200'). TOC at 1200'.
8. Pick up tubing to 815'. Mix and pump 225.5 sxs 14.8#/gal Type III cement down tubing. Cement circulate to surface.
9. 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: Valerie Danson
Title: Reg Tech Date: 7/10/2019 Email: valerie.danson@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 by _____, Nick

COGCC Approved:

Date: 8/9/2020

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

402102054	FORM 6 SUBSEQUENT SUBMITTED
402102120	CEMENT JOB SUMMARY
402102124	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	48 hour ops notice filed. 42 filed for flowline abandonment. Form 17 filed; 8 psi down to 0. Form 7 reporting PA status. Zones and casing history are consistent with approved intent. Procedure, WBD and tickets are consistent.	10/08/2019
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Total: 1 comment(s)