

FORM
6Rev
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:

400907735

Date Received:

09/30/2015

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: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-22803-00

Well Name: WELLS RANCH

Well Number: 13-27

Location: QtrQtr: NWSW Section: 27 Township: 6N Range: 63W 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: 40.455750

Longitude: -104.430140

GPS Data:

Date of Measurement: 11/02/2006

PDOP Reading: 4.3

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 2900

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	6821	6831	09/04/2013	B PLUG CEMENT TOP	6765

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	410	225	410	0	
1ST	7+7/8	4+1/2	10.5	6,993	420	6,993	2,968	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6765 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 50 sks cmt from 2950 ft. to 2764 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 220 sacks half in. half out surface casing from 610 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: _____ 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:

Wells Ranch 13-27 (05-123-22803)/Plugging Procedure (Intent)
Producing formation: Codell
Existing Perforations: Codell 6,821'-6,831'
TD: 7004' PBDT: 6936'
Surface Casing: 8 5/8" 24# @ 410' w/ 225 sks cmt.
Production Casing: 4 1/2" @ 6993' w/ 420 sks cmt (TOC 2968').

Existing CIBP: Set at 6,765' with 2 sxs cement.

Proposed Procedure:

1. MIRU pulling unit.
2. TOOH with tubing. Rig up wireline company. Run gyro survey from 6700' to surface.
3. TIH with casing cutter. Cut off 4 1/2" casing at 2900'. Pull 4 1/2" casing.
4. TIH with tubing to 2950'. RU cementers. Mix and pump 50 sxs of 15.8#/gal CI G cement.
5. Reset tubing to 610'. RU cementers. Mix and pump 220 sxs of 15.8#/gal CI G cement. Cement should circulate to surface.
6. 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: Regulatory Tech Date: 9/30/2015 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: HICKEY, MIKE Date: 10/2/2015

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 4/1/2016

COA Type**Description**

	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 610' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 360' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug. 3) Properly abandon flowlines as per Rule 1103. Once flowlines are properly abandoned, file electronic form 42.
	Operator must submit Form 5A with wireline ticket and cement ticket documenting existing plug at 6765'. Form 5A must be submitted prior to approval of Form 6 subsequent report of abandonment.
	Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 309 within 30 days.

Attachment Check List**Att Doc Num****Name**

400907967	WELLBORE DIAGRAM
400907968	WELLBORE DIAGRAM

Total Attach: 2 Files

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

Permit	1430071 Completed Interval Report 08/30/2005	10/2/2015 10:52:53 AM
Permit	1) Existing bridge plug and cement but no documentation in well file. Contacted operator to submit Form 5A with documentation of bridge plug and cement. 2) Form 7 reporting is incorrect. Contacted operator to submit corrected Form 7. Form 7 should report AB status after bridge plug was set.	10/2/2015 10:42:20 AM
Public Room	Document verification complete 9/30/15	9/30/2015 12:03:50 PM

Total: 3 comment(s)