

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:

401146631

Date Received:

11/09/2016

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: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-123-12500-00

Well Name: PLUMB

Well Number: 1

Location: QtrQtr: NWNW Section: 8 Township: 5N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 56539

Field Name: KERSEY

Field Number: 44600

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.419167

Longitude: -104.580833

GPS Data:

Date of Measurement: 05/11/2010

PDOP Reading: 1.6

GPS Instrument Operator's Name: Chuck Kraft

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

Estimated Depth: 600

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	6825	6832			
NIOBRARA	6544	6669			

Total: 2 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	9+5/8	24	309	250	309	0	
1ST	7+7/8	4+1/2	11.6	6,962	155	6,962	5,750	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6772 with 2 sacks cmt on top. CIBP #2: Depth 6494 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 200 sks cmt from 650 ft. to 0 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 _____ 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. 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:

Plumb 1 Plugging Procedure (Intent)
API: 05-123-12500

Producing Formations: Nio: 6544'-6669'

Codell: 6844'-6854'

TD: 6965' PBSD: 6925'

Surface Casing: 9-5/8" 24# @ 309' w/ 250 sxs

Production Casing: 4-1/2" 11.6# @ 6962' w/ 155 sks cmt (TOC @ 5750' - CBL)

-casing cut and pulled @ 5050' (4/3/2000)

4-1/2" 11.6# @ 5050' w/ casing patch (4/5/2000)

Tubing: 2-3/8" tubing @ 6812' (4/11/2000)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2-3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6772'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set CIBP at 6494'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with casing cutter. Cut 4 1/2" casing at 600'. Pull cut casing.
6. TIH with tubing to 650'. Mix and pump 200 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
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: Kelsi Welch

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: 12/2/2016

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 6/1/2017

COA Type**Description**

	<ol style="list-style-type: none">1) Provide 48 hour notice of plugging MIRU via electronic Form 42.2) For the 650' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 259' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.4) Prior to starting plugging operations a Bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineering for sampling requirements. The Form 17 shall be submitted within 10 days of the test.
--	--

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

401146631	FORM 6 INTENT SUBMITTED
401146753	WELLBORE DIAGRAM
401146754	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Wait on operator for confirmation on Codell zone. Submit form 7 reporting before form 6 subsequent is approved. Changed Codell interval per operator.	11/28/2016
Public Room	Document verification complete 11/10/16	11/10/2016

Total: 2 comment(s)