

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:

401098614

Date Received:

08/24/2016

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: Helgeland, Gary

Tel: (970) 216-5749

COGCC contact:

Email: gary.helgeland@state.co.us

API Number 05-123-23793-00

Well Name: JACOBUCCI

Well Number: 33-32

Location: QtrQtr: NWSE Section: 32 Township: 1N Range: 67W 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: 40.005803

Longitude: -104.911948

GPS Data:

Date of Measurement: 08/23/2006

PDOP Reading: 2.0

GPS Instrument Operator's Name: FRANK HOLUBEC

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

Estimated Depth: 1260

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	7852	7868			
NIOBRARA	7390	7708			
J SAND	8280	8300	06/13/2006	B PLUG CEMENT TOP	8271

Total: 3 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	1,058	740	1,058	0	VISU
1ST	7+7/8	4+1/2	11.6	8,416	265	8,416	6,896	CBL
S.C. 1.1				5,160	190	5,160	4,452	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7802 with 2 sacks cmt on top. CIPB #2: Depth 7340 with 2 sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 40 sks cmt from 5360 ft. to 4832 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: ☐
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 140 sacks half in. half out surface casing from 1310 ft. to 950 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:

Jacobucci 33-32 (05-123-23793)/Plugging Procedure (Intent)
Producing Formation: Niobrara 7390'-7708' Codell 7852'-7868'
Abandoned Formations: J Sand 8280'-8300'
TD: 8416' PBDT: 8378'
Surface Casing: 8 5/8" 24# @ 1058' w/ 740 sxs
Production Casing: 4 1/2" 11.6# @ 8416' w/ 265 sks cmt (TOC 6896' - CBL)
DV Tool at 5158' with 190 sxs. TOC 4452' CBL.

Tubing: 2 3/8" tubing set at 7842'. (6/4/2015)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 7802'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set CIBP at 7340'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with tubing to 5360'. Mix and pump 40 sxs of 15.8#/gal CI G cement down tubing.
6. TIH with casing cutter. Cut 4 1/2" casing at 1260'. Recover 4 1/2" casing.
7. TIH with tubing to 1310'. Mix and pump 140 sxs of 15.8#/gal CI G cement down tubing.
8. Reset tubing at 30'. Mix and pump 10 sxs of 15.8#/gal CI G cement down tubing. Cement should 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: Kelsi Welch

Title: Regulatory Analyst Date: 8/24/2016 Email: kelsi.welch@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: McCoy, Diane

Date: 9/15/2016

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/14/2017

COA Type

Description

	1) Prior to starting plugging operations, a bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test. 2) Provide 48 hour notice of plugging MIRU via electronic Form 42. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Production casing stub plug and surface casing shoe plug are listed as one plug on this form from 1310-950', this plug must be tagged at 1008' or shallower. Leave at least 100' cement in the wellbore for each plug.
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Attachment Check List

Att Doc Num

Name

401098614	FORM 6 INTENT SUBMITTED
401098622	WELLBORE DIAGRAM
401098623	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	J-sand was AB with a CIBP and cement in 2006 not 2016. Confirmed with Operator.	9/15/2016 2:56:05 PM
Permit	Need updated form 7 reporting to report TA of the JSand in 6/4/2016. Need 5A to report TA of the JSand 6/4/2016. All before the subsequent form 6 is approved.	8/25/2016 3:06:00 PM
Public Room	Document verification complete 08/25/16	8/25/2016 11:30:32 AM

Total: 3 comment(s)