

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:

400765844

Date Received:

01/07/2015

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: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-123-13963-00

Well Name: STATE LEASE 81

Well Number: 11-16

Location: QtrQtr: NWNW Section: 16 Township: 6N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 67821

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: 40.491530

Longitude: -104.562580

GPS Data:

Date of Measurement: 06/30/2010

PDOP Reading: 1.8

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: 6104

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☒ Yes☐ No

If yes, explain details below

Details: PDC moved in to preform Mlt, found casing leaks and set cast iron bridge plug with 2 sx of cement.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7045	7057			
NIOBRARA	6800	7040			

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	8+5/8	24	301	175	301	0	
1ST	7	4+1/2	10.5	7,200	220	7,200	6,154	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6750 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 6004 ft. to 6254 ft. Plug Type: STUB PLUG Plug Tagged: ☒

Set 50 sks cmt from 3500 ft. to 4100 ft. Plug Type: OPEN HOLE 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 200 sacks half in. half out surface casing from 510 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:

Plugging Procedure

Niobrara

Codell

Existing Perforations:

Niobrara: 6800'-7040'

Codell: 7045'-7057'

PBTD: 7100'

8 5/8" 24# @ 301' w/ 175 sks cmt

4 1/2" 10.5# @ 7200' w/ 220 sks cmt G (6154')

Procedure:

1. MIRU wireline

2. RIH set CIBP @ 6750'

3. RIH w/dump bailer and dump 2 sx cement on top of CIBP @ 6750'

4. RIH w/ casing cutter, cut @ 6104'

5. TIH set 50 sack stub plug @ casing stub (6004'-6254')

6. TOH, set 50 sack plug over Parkman/Sussex (3500-4100')

7. TOH and set 200 sack cement plug half in half out of surface casing from 451' to surface

8. Cut casing 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: 1/7/2015 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:

Date: 1/9/2015

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/8/2015

COA Type

Description

	<p>The COA for the above notice of intent to abandon was lost during the save process. By the time I found the error the form had gone out. I have put the COA below in the file, but wanted you to have it so it could be attached to the plugging order when the well is plugged. This is the well I spoke to you about today.</p> <p>Note change to plugging procedure. 451' plug moved down to 510'. Increase cement volume accordingly.</p> <p>1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 510' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 251' or shallower. Leave at least 100' of cement in the wellbore for each plug. 3) Properly abandon flowlines as per Rule 1103. Once properly abandoned, file electronic form 42. 4) Operator must provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215.</p>
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Attachment Check List

Att Doc Num

Name

400765844	WELL ABANDONMENT REPORT (INTENT)
400765847	WELLBORE DIAGRAM
400765850	WELLBORE DIAGRAM
400768111	FORM 6 INTENT SUBMITTED

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

#Error		
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Total: 0 comment(s)