

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
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Date Received: 10/19/2015			

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: Rickard, Jeff Tel: (720) 305-8280	
COGCC contact: Email: jeffrey.rickard@state.co.us	

API Number 05-123-12675-00	Well Number: 10-1
Well Name: SPAUR	
Location: QtrQtr: NWSW Section: 10 Township: 4N Range: 67W Meridian: 6	
County: WELD	Federal, Indian or State Lease Number: 68083
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: 40.324720	Longitude: -104.884810
GPS Data:	
Date of Measurement: 04/02/2008	PDOP Reading: 3.8
GPS Instrument Operator's Name: Holly L. Tracy	
Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production for Sub-economic <input type="checkbox"/> Mechanical Problems	
<input checked="" type="checkbox"/> Other failed MIT	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 6180
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	7184	7200	08/28/2015	B PLUG CEMENT TOP	6825
NIOBRARA	6862	7095	08/28/2015	B PLUG CEMENT TOP	6825
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	300	275	300	0	VISU
1ST	7+7/8	4+1/2	11.6	7,284	275	7,284	6,235	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 6230 ft. to 6044 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 190 sacks half in. half out surface casing from 500 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:

Spaur 10-1 (05-123-12675)/Plugging Procedure (Intent)
Producing Formation: Niobrara - Codell
Existing Perforations: Niobrara 6862'-7095' Codell 7184'-7200'
TD: 7284' PBD: 7225'
Surface Casing: 8 5/8" 24# @ 300' w/ 275 sks cmt.
Production Casing: 4 1/2" 11.6# @ 7284' w/ 275 sks cmt (TOC 6235'). Otis port collar at 2994'.

Existing CIBP: at 6825' with 2 sxs cement.

Proposed Procedure:

1. MIRU pulling unit. Pull 2 1/2" tubing.
2. Rig up wireline company.
3. TIH with casing cutter. Cut off 4 1/2" casing at 6180'. Pull 4 1/2" casing.
4. TIH with tubing to 6230'. RU cementers. Mix and pump 50 sxs of 15.8#/gal CI G cement.
5. Reset tubing at 500'. Mix and pump 190 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: Reg Tech Date: 10/19/2015 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: JENKINS, STEVE Date: 10/26/2015

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 4/25/2016

COA Type**Description**

	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 500' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 200' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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Attachment Check List**Att Doc Num****Name**

400919966	FORM 6 INTENT SUBMITTED
400919974	WELLBORE DIAGRAM
400919975	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Well Completion Report dated 12/19/1985	10/23/2015 2:55:56 PM
Public Room	Document verification complete 10/19/15	10/19/2015 1:04:16 PM

Total: 2 comment(s)