

FORM
6
Rev
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
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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: Montoya, John Tel: (970) 397-4124
COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-14815-00 Well Number: 6-3
 Well Name: MCKENNEY
 Location: QtrQtr: NESE Section: 6 Township: 3N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 68756
 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: 40.252778 Longitude: -104.586944
 GPS Data:
 Date of Measurement: 12/20/2009 PDOP Reading: 1.9 GPS Instrument Operator's Name: Brandon Lucason
 Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 6250
 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	7004	7020			
NIOBRARA	6735	6891			
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	451	245	451	0	VISU
1ST	7+7/8	4+1/2	12.6	7,170	170	7,170	6,340	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6675 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 250 sks cmt from 4800 ft. to 4100 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 60 sks cmt from 6350 ft. to 6150 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:
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 320 sacks half in. half out surface casing from 900 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:

McKenney 6-3 (05-123-14815)/Plugging Procedure (Intent)
Producing formation: Niobrara-Codell
Existing Perforations: Niobrara 6735'-6891'; Codell 7004'-7020'
TD: 7170' PBD: 7140'
Surface Casing: 8 5/8" 24# @ 451' w/ 245 sks cmt.
Production Casing: 4 1/2" 12.6# @ 7170' w/ 170 sks cmt (TOC 6385').

Proposed Procedure:

1. MIRU pulling unit. Rig up wireline. Run gyro survey from 6800' to surface.
2. Pull production tubing. TIH with tubing and drill bit. Clean out well to 6800'.
3. TIH with CIBP. Set plug at 6675'. TIH with dump bailer. Dump 2 sx cement on top of CIBP.
4. Cut off 4 1/2" casing at 6250'. Pull 4 1/2" casing.
 - 4a. Add 60 sxs stub plug to casing cut @ 6250'.
5. TIH with tubing to 4800'. RU cementers. Mix and pump 250 sxs of 15.8#/gal CI G cement. WOC and tag plug.
6. Reset tubing to 900'. Mix and pump 320 sxs of 15.8#/gal CI G cement. Cement should circulate.
7. Cut 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: 6/3/2015 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.

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 1/16/2016

COA Type	Description
	<p>Note change in plugging procedure:</p> <ol style="list-style-type: none"> 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing below 4800' contact COGCC for plugging modifications. 3) Add 60 sxs stub plug to casing cut location @ 6250'. 3) For 900' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 400' or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400848237	FORM 6 INTENT SUBMITTED
400848248	WELLBORE DIAGRAM
400848250	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 3/29/1991.	6/10/2015 9:52:48 AM

Total: 1 comment(s)