

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



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Document Number:

400462078

Date Received:

08/01/2013

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: (303) 8605838

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: MONTOYA, JOHN

Tel: (970) 3974124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-14536-00

Well Name: MCLEOD

Well Number: 29-2

Location: QtrQtr: SWSE Section: 29 Township: 4N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68759

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: 40.276944

Longitude: -104.799722

GPS Data:

Date of Measurement: 06/04/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Shantell Kling

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

Estimated Depth: 6510

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	7288	7302			
NIOBRARA	6990	7074			

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	353	260	353	0	VISU
1ST	7+7/8	4+1/2	15.1	7,370	170	7,370	6,690	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6850 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 6510 ft. to 6490 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 200 sks cmt from 3900 ft. to 4700 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 100 sacks half in. half out surface casing from 570 ft. to 300 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:

Plugging Procedure
Codell/Niobrara
Existing Perforations:
Codell: 7288'-7302'
Niobrara: 6990-7074'
PBTD:7342'
8 5/8" 24# @ 353' W/ 260 sks cmt.
4.5" 15.1# @ 7370' w/ 170 sks cmt
Procedure:
1)MIRU wireline
2)RIH w/CIBP set @ 6850'
3)RIH w/dump bailer and dump 2 sx cement on top of CIBP
4)RIH w/casing cutter, cut & pull casing @ ~6510'
5)TIH set 50 sack plug @ casing stub (6510')
6)TIH to tag stub plug
7)TOH to set 200 sack plug @ Parkman/Sussex (~3900'--4700')
8)TOH and set 100 sack cement plug half in half out of surface casing from 303'-403'
9)Set 10 sx @ top of surface
10)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: 8/1/2013 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.

Diana

COGCC Approved:

Date: 9/14/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/13/2014

COA Type

Description

	NOTE: changes in plugging procedure 1) Provide 24 hour notice of MIRU to COGCC inspector John Montoya via e-mail at John.Montoya@state.co.us. 2) For 570' plug: pump plug and displace, shut-in, tag plug (must be 300' 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.
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Attachment Check List

Att Doc Num

Name

400462078	FORM 6 INTENT SUBMITTED
400462088	WELLBORE DIAGRAM
400462089	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	surface casing check - Doc 1738254	9/14/2013 2:08:34 PM
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Total: 1 comment(s)