

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:

401015090

Date Received:

03/24/2016

## 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 05-123-17419-00

Well Name: MDM

Well Number: U 14-4J

Location: QtrQtr: SESE Section: 14 Township: 2N Range: 68W 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: 40.134176

Longitude: -104.964537

GPS Data:

Date of Measurement: 07/19/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Estimated Depth: 860

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
J SAND	7916	7938			

Total: 1 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	638	300	638	0	VISU
1ST	7+7/8	3+1/2	7.7	8,025	990	8,025	6,924	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7880 with 2 sacks cmt on top. CIBP #2: Depth 7440 with 2 sacks cmt on top.  
CIBP #3: Depth 7190 with 2 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 10 sks cmt from 4372 ft. to 4272 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 360 sacks half in. half out surface casing from 910 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:

MDM U 14-4J (05-123-17419)/Plugging Procedure (Intent)

Producing Formation: J Sand 7916' – 7938'

TD: 8025' PBDT: 7980'

Surface Casing: 8 5/8" 24# @ 638' w/ 300 sxs.

Production Casing: 3 1/2" 7.7# @ 8025' w/ 990 sks cmt (TOC 6824' & 4102' CBL).

Tubing: 2 1/16" IJ tubing set at 7881'.

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 1/16" tubing.
2. RU wireline company. Run gyro survey.
3. TIH with CIBP. Set BP at 7880'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7440'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 7190'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 3 1/2" casing at 860'. Recover 3 1/2" casing.
7. TIH with tubing to 910'. Mix and pump 360 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
8. 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: 3/24/2016 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: 4/1/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 9/30/2016

**COA Type**

**Description**

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 3) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment. 4) Note changes to plugging procedure, Sussex plug added. Stub plug is also shoe plug, if this plug is not circulated to surface then tag plug – must be 530' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug.
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**Attachment Check List**

**Att Doc Num**

**Name**

401015090	FORM 6 INTENT SUBMITTED
401015094	WELLBORE DIAGRAM
401015095	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Public Room	Document verification complete 03/28/16	3/28/2016 4:18:39 PM
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Total: 1 comment(s)