

Document Number:  
402541432

Date Received:

**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: Valerie Danson  
 Name of Operator: PDC ENERGY INC Phone: (970) 506-9272  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number 05-123-11179-00  
 Well Name: MAPELLI Well Number: 1  
 Location: QtrQtr: SWSE Section: 19 Township: 7N Range: 65W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 55703  
 Field Name: EATON Field Number: 19350

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.555133 Longitude: -104.703889  
 GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 11/16/2015

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: \_\_\_\_\_  
 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    | 7334      | 7344      | 10/29/2020     | B PLUG CEMENT TOP   | 7284       |

Total: 1 zone(s)

**Casing History**

| Casing Type | Size of Hole | Size of Casing | Grade | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top | Status |
|-------------|--------------|----------------|-------|-------|---------------|---------------|-----------|---------|---------|--------|
| SURF        | 12+1/4       | 8+5/8          | J55   | 24    | 0             | 450           | 350       | 450     | 0       | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | J55   | 11.6  | 0             | 7944          | 250       | 7944    | 6980    | CBL    |
| S.C. 1.1    |              |                |       |       |               | 1200          | 271       | 1200    | 360     | CBL    |

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7284 with 2 sacks cmt on top. CIBP #2: Depth 7000 with 2 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 10 sks cmt from 2814 ft. to 2729 ft. Plug Type: CASING Plug Tagged:   
 Set 10 sks cmt from 1659 ft. to 1574 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:

Perforate and squeeze at 3000 ft. with 90 sacks. Leave at least 100 ft. in casing 2815 CICR Depth  
 Perforate and squeeze at 1750 ft. with 58 sacks. Leave at least 100 ft. in casing 1660 CICR Depth  
 Perforate and squeeze at 350 ft. with 88 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
 (Cast Iron Cement Retainer Depth)

Set 88 sacks half in. half out surface casing from 660 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 0  
 Surface Plug Setting Date: 10/30/2020 Cut and Cap Date: 10/30/2020

\*Wireline Contractor: Rocky Mtn Wireline Services \*Cementing Contractor: NexTier Cementing Services

Type of Cement and Additives Used: Class G 15.8 PPG Cement

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

Mapelli 1 (05-123-11179)/Plugging Procedure  
 Producing Formation: Codell: 7334'-7344'  
 Upper Pierre Aquifer: 610'-1630'  
 TD: 7944' PBD: 7395' (1/19/2016)  
 Surface Casing: 8 5/8" 24# @ 450' w/ 350 sxs cmt  
 Production Casing: 4 1/2" 11.6# @ 7944' w/ 250 sxs cmt (TOC @ 6980' – CBL)  
 Annular Fill @ 1200' w/ 271 sxs cmt (TOC @ 360' – CBL)

**Procedure:**

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7284'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7334')
4. TIH with CIBP. Set BP at 7000'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 7050')
5. Run a Strip Log from 3000' to Surface for perf shot verification (log not kept.)
6. TIH with perf gun. Shoot lower squeeze holes at 3000' and upper squeeze holes at 2800'.
7. TIH with CICR. Set CICR at 2815'. RU cementing company. Sting in and pump 100 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 100 sxs) cement on top of CICR. TOC at 2729'.
8. TIH with perf gun. Shoot lower squeeze holes at 1750' and upper squeeze holes at 1645'.
9. TIH with CICR. Set CICR at 1660'. RU cementing company. Sting in and pump 68 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 68 sxs) cement on top of CICR. TOC at 1574'.
10. TIH with perf gun. Shoot surface squeeze holes at 350'.
11. Pick up tubing to 660'. Mix and pump 88 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
12. Close off casing returns. Hook up cement line to cement flange and pump 88 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 350' into annular space. Cement circulate to surface.
13. 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: Valerie Danson  
 Title: Reg Tech Date: \_\_\_\_\_ Email: valerie.danson@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: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

| COA Type | Description |
|----------|-------------|
|          |             |

**Attachment Check List**

| Att Doc Num | Name               |
|-------------|--------------------|
| 402541437   | CEMENT JOB SUMMARY |
| 402541438   | OPERATIONS SUMMARY |
| 402541439   | WELLBORE DIAGRAM   |

Total Attach: 3 Files

**General Comments**

| User Group | Comment | Comment Date        |
|------------|---------|---------------------|
|            |         | Stamp Upon Approval |

Total: 0 comment(s)