

Document Number:  
402503734

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: Santistevan, Brittani Tel: (720) 471-1110  
**COGCC contact:** Email: brittani.santistevan@state.co.us

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  
 GPS Instrument Operator's Name: \_\_\_\_\_ Field \_\_\_\_\_  
 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			

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	450	350	450	0	VISU
1ST	7+7/8	4+1/2	11.6	7,944	250	7,944	6,980	CBL
S.C. 1.1				1,200	271	1,200	360	CBL

## 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 2683 ft. Plug Type: CASING Plug Tagged:   
 Set 10 sks cmt from 1639 ft. to 1508 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 1730 ft. with 47 sacks. Leave at least 100 ft. in casing 1640 CICR Depth  
 Perforate and squeeze at 350 ft. with 75 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
(Cast Iron Cement Retainer Depth)  
 Set 50 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. \_\_\_\_\_ inch casing Cut and Cap Date: \_\_\_\_\_  
 of \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

#### Technical Detail/Comments:

Mapelli 1 (05-123-11179)/Plugging Procedure (Intent)  
 Producing Formation: Codell: 7334'-7344'  
 Upper Pierre Aquifer: 610'-1630'  
 TD: 7944' PBTD: 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)  
 Tubing: 2 3/8" tubing set @ 7320' (1/19/2016)  
 Proposed 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. TIH with perf gun. Shoot lower squeeze holes at 3000' and upper squeeze holes at 2800'.  
 6. 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.  
 7. Unland casing and perform stretch calculation confirming whether or not surface squeeze @ 350' can be performed. If surface squeeze can't be performed, disregard Steps 8 and 12.  
 8. TIH with perf gun. Shoot surface squeeze holes at 350'.  
 9. Shoot lower squeeze holes at 1730' and upper squeeze holes at 1625'.  
 10. TIH with CICR. Set CICR at 1640'. RU cementing company. Sting in and pump 57 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 57 sxs) cement on top of CICR.  
 11. Pick up tubing to 660'. Mix and pump 50 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.  
 12. Close off casing returns. Hook up cement line to cement flange and pump 75 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 350' into annular space. Cement should 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:** \_\_\_\_\_

Expiration Date: \_\_\_\_\_

<u>COA Type</u>	<u>Description</u>

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
402503930	WELLBORE DIAGRAM
402503931	WELLBORE DIAGRAM
402503932	CEMENT BOND LOG

Total Attach: 3 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)