

FORM
6Rev
11/20

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:

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:

COGCC contact:

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☐ OtherCasing 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. CIPB #2: Depth 7000 with 2 sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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

Surface Plug Setting Date: 10/30/2020 Cut and Cap Date: 10/30/2020 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 0

*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' 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)

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 perfs @ 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

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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
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Total: 0 comment(s)