FORM 6 Rev 02/20

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

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Date Received: 01/16/2020

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, COGCC contact: Name: Tel: Email:

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

API Number 05-123-20222-00

Well Name: HOSHIKO Well Number: 42-17

Location: QtrQtr: SENE Section: 17 Township: 5N Range: 64W Meridian: 6

County: WELD Federal, Indian or State Lease Number:

Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.401096 Longitude: -104.566839

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 12/11/2019

GPS Instrument Operator's Name: Devon Arnold

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	6812	6820	12/19/2019	B PLUG CEMENT TOP	6762

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	397	260	397	0	VISU
1ST	7+7/8	4+1/2	10.5	6,969	380	6,969	3,070	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6762 with 2 sacks cmt on top. CIPB #2: Depth 6456 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 100 sks cmt from 1584 ft. to 1279 ft. Plug Type: STUB PLUG 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 214 sacks half in. half out surface casing from 600 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: 1510 ft. of 4+1/2 inch casing Cut and Cap Date: 12/20/2019

*Wireline Contractor: C&J Energy Services *Cementing Contractor: NexTier

Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Hoshiko 42-17 (05-123-20222)/Plugging Procedure
Producing Formation: Codell: 6812'-6820'
Upper Pierre Aquifer: 260'-1410'
TD: 7033' PBTD: 6953' (1/17/2018)
Surface Casing: 8 5/8" 24# @ 397' w/ 260 sxs
Production Casing: 4 1/2" 10.5# @ 6969' w/ 380 sxs cmt (TOC @ 3070 - CBL)

Procedure:
1. MIRU pulling unit. Pull 2 3/8 tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6762'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Codell perfs @ 6812')
4. TIH with CIBP. Set BP at 6456'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Niobrara @ 6506')
5. Run CBL from 1600' to Surface.
6. TIH with casing cutter. Cut 4 ½" casing at 1510'. Pull cut casing.
7. TIH with tubing to 1584'. RU cementing company. Mix and pump 100 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 1510'-1310'). TOC at 1279'.
8. Pick up tubing to 600'. Mix and pump 213.7 sxs 14.8#/gal Type III cement down tubing (Pierre coverage from 600'-surface). Cement circulate to surface.
9. 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: 1/16/2020 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. Jacobson, Eric

COGCC Approved: Date: 5/13/2020

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

Attachment Check List

Att Doc Num	Name
402288465	FORM 6 SUBSEQUENT SUBMITTED
402288481	CEMENT BOND LOG
402288484	CEMENT JOB SUMMARY
402288492	OPERATIONS SUMMARY
402288493	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Engineer	Form 17 bradenhead test on 5/23/2019 had 2 psig and was submitted on the annual bradenhead testing upload.	05/13/2020

Total: 1 comment(s)