FORM 6 Rev 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

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Document Number: 403022314

Date Received: 04/28/2022

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: Serna, Abe Tel: (720) 661-7317 Email: abe.serna@state.co.us

Type of Well Abandonment Report: [X] Notice of Intent to Abandon [ ] Subsequent Report of Abandonment

API Number 05-123-19305-00

Well Name: WHITE Well Number: 27-6

Location: QtrQtr: SWNW Section: 27 Township: 5N Range: 64W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 63838

Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.372222 Longitude: -104.542778

GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: Date of Measurement: 12/14/2009

Reason for Abandonment: [ ] Dry [X] Production Sub-economic [ ] Mechanical Problems

[ ] Other

Casing to be pulled: [X] Yes [ ] No Estimated Depth: 2500

Fish in Hole: [ ] Yes [X] No If yes, explain details below

Wellbore has Uncemented Casing leaks: [ ] Yes [X] No If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA-CODELL	6606	6789			

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	354	290	354	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	6900	160	6900	5880	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6556 with 2 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 100 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐

Set 100 sks cmt from 1420 ft. to 1220 ft. Plug Type: OPEN HOLE 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 293 sacks half in. half out surface casing from 554 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: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

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

Technical Detail/Comments:

White 27-6 (05-123-19305) / Plugging Procedure (Intent)
Producing Formations: Niobrara/Codell: 6606'-6789'
Upper Pierre Aquifer: 330'-1320'

Deepest Water Well: 95' Base of Fox Hills: 130'
TD: 6900' PBTD: 6867.4' (11/25/2015)
Surface Casing: 8 5/8" 24# @ 354' w/ 290 sxs cmt
Production Casing: 4 1/2" 11.6# @ 6900' w/ 160 sxs (TOC @ 5880' – CBL)

Tubing: 2 3/8" tubing @ 6766.24' (11/25/2015)
Proposed Procedure:
1. MIRU pulling unit. Pull 2 3/8" Tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6556'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Nio perfs @ 6606')
4. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
5. TIH with tubing to 2550'. RU cementing company. Mix and pump 100 sxs 15.8#/gal Cl G cement down tubing. (Stub Plug from 2550'-2300')
6. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations.
7. TIH with tubing to 1420'. Mix and pump 100 sxs 15.8#/gal Cl G cement down tubing. (Pierre Coverage from 1420'-1220')
8. Pick up with tubing to 554'. Mix and pump 293 sxs 15.8#/gal Cl G cement down tubing. Cement should circulate to surface.
9. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

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 Analyst Date: 4/28/2022 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: McFarland, Nick Date: 5/17/2022

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 11/16/2022

Condition of Approval

COA Type	Description
	Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.
	1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations. 2) After placing the shallowest hydrocarbon isolating plug (6556'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations. 3) Prior to placing the 1420' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 4) After isolation has been verified, pump plug at 554' and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 304' or shallower and provide 10 sx plug at the surface. 5) Leave at least 100' of cement in the wellbore for each plug. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.
	Prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of BUs that are nearby and adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the PA operations.
	Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment. Due to proximity of building units (BUs) all blowdown gases will be controlled.
4 COAs	

Attachment List

Att Doc Num	Name
403022314	FORM 6 INTENT SUBMITTED
403022352	WELLBORE DIAGRAM
403022353	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Most recent bradenhead test 10/6/21 - 0 psi. SI since January 2021. SB5 Base of Fox Hills: 130' Deepest Water Well Within One Mile: 95' Number of Wells: 44 Production within one mile: JSND, CODL, NBRR	05/17/2022
Permit	Operator filed 5A. Pass.	05/03/2022
Permit	Confirmed as-drilled well location. Production reporting up-to-date. No other forms in process. According to docnum: the bottom Codell perf is 6786. File an updated 5A or correct zones tab and WBD.	04/28/2022

Total: 3 comment(s)