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 **WELL ABANDONMENT REPORT**	DE	ET	OE	ES

Document Number:

402589965

Date Received:

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: JEnifer Hakkarinen

Name of Operator: PDC ENERGY INC   Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000   Fax:

City: DENVER   State: CO   Zip: 80203   Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,   Name: Serna, Abe   Tel: (720) 661-7317

COGCC contact: Email: abe.serna@state.co.us

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

API Number   05-123-21787-00

Well Name: BAUER   Well Number: 12-4

Location: QtrQtr: SWNW   Section: 4   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: 40.429625   Longitude: -104.562114

GPS Data: GPS Quality Value: 2.1   Type of GPS Quality Value: Date of Measurement: 02/09/2010

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
NIOBRARA-CODELL	6542	6847			

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	J-55	24	0	366	306	366	0	VISU
1ST	7+7/8	4+1/2	J-55	11.6	0	7050	590	7050	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth __6492__ with __2__ sacks cmt on top. CIPB #2: Depth __2500__ 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 __110__ sks cmt from __1460__ ft. to __0__ 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: ☐

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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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:

Bauer 12-4 (05-123-21787) Plugging Procedure (Intent)
Producing Formation: Niobrara/Codell: 6542'-6847'
Upper Pierre Aquifer: 350'-1360'
Deepest Water Well: 145'
TD: 7068' PBTD: 7021' (3/9/2004)
Surface Casing: 8-5/8" 24# @ 366' w/ 306 sxs cmt
Production Casing: 4-1/2" 11.6# @ 7050' w/ 590 sxs cmt (TOC @ surface – CBL)
Tubing: 2-3/8" tubing set @ 6818.3' (3/1/2019)

Proposed Procedure:
1. MIRU. Pull 2-3/8" tubing.
2. RU wireline company. RIH w/ gauge ring to top of Niobrara @ 6500'
3. RIH with CIBP, set at 6492'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Niobrara perfs @ 6542')
4. RIH with CIBP, set at 2500'. Top with 2 sxs 15.8#/gal Cl G cement. (Courtesy)
5. Wait 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.
6. TIH with tubing to 1460'. RU cementing company. Mix and pump 110 sxs 15.8#/gal Cl G cement down tubing (Pierre coverage to surface).
7. 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: Jenifer Hakkarinen

Title: Reg TEch   Date: _____   Email: JEnifer.Hakkarien@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: _____

COA Type	**Description**

Attachment List

Att Doc Num	**Name**
402589992	WELLBORE DIAGRAM
402589993	WELLBORE DIAGRAM
402589994	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group	**Comment**	**Comment Date**
		Stamp Upon Approval

Total: 0 comment(s)