

Document Number:
 402402377

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: Burns, Adam Tel: (970) 397-4124
COGCC contact: Email: adam.m.burns@state.co.us

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

API Number 05-123-26445-00
 Well Name: GUTTERSEN Well Number: 12-24
 Location: QtrQtr: SWNW Section: 24 Township: 3N 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: 40.212610 Longitude: -104.506610
 GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: _____ Date of Measurement: 06/24/2008
 GPS Instrument Operator's Name: HOLLY L. TRACY
 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	6712	6858	07/05/2019	B PLUG CEMENT TOP	6662

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	689	490	689	0	VISU
1ST	7+7/8	4+1/2	10.5	6,999	855	6,999	572	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6534 with 2 sacks cmt on top. CIBP #2: Depth 4150 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 25 sks cmt from 1800 ft. to 1480 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 550 ft. with 107 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 68 sacks half in. half out surface casing from 889 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:

Guttersen 12-24 (05-123-26445)/Plugging Procedure (Intent)

Producing Formation: Niobrara/Codell: 6712'-6858'

Upper Pierre Aquifer: 520'-1640'

TD: 7014' PBTD: 6948' (7/31/2008)

Surface Casing: 8 5/8" 24# @ 689' w/ 490 sxs

Production Casing: 4 1/2" 10.5# @ 6999' w/ 855 sx cmt (TOC @ 572' - CBL)

Existing CIBP set @ 6662' w/ 2 sx cmt (7/5/2019)

Tubing: 2 3/8" tubing w/ POBIT set @ 6375' (7/5/2019)

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company. TIH and tag existing dump bail @ 6635'.
3. TIH with CIBP. Set at 6534'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6584')
4. TIH with CIBP. Set at 4150'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with perf gun. Shoot squeeze holes @ 550'.
6. TIH with tubing to 1800'. RU cementing company. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing (Pierre coverage 1800'-1480').
7. Pick up tubing to 889'. Mix and pump 68 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
8. Close off casing returns. Hook up cement line to cement flange and pump 107 sxs 15.8#/gal CI G cement downhole and squeeze through perforations @ 550' into annular space. Cement should 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: _____

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: _____

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

402402378	WELLBORE DIAGRAM
402402379	WELLBORE DIAGRAM
402402380	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)