

Document Number:
401993549

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: Peterson, Tom Tel: (970) 370-1281
COGCC contact: Email: tom.peterson@state.co.us

API Number 05-123-31911-00 Well Number: 20CD
 Well Name: Ryland
 Location: QtrQtr: NWNW Section: 21 Township: 4N Range: 67W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.302860 Longitude: -104.904720
 GPS Data:
 Date of Measurement: 11/13/2010 PDOP Reading: 1.7 GPS Instrument Operator's Name: HOLLY 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	7206	7540			

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	665	470	665	0	VISU
1ST	7+7/8	4+1/2	11.6	7,633	975	7,633	510	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7156 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 40 sks cmt from 1600 ft. to 1100 ft. Plug Type: CASING Plug Tagged:
 Set 70 sks cmt from 865 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:
 Perforate and squeeze at 495 ft. with 130 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. _____ inch casing Plugging Date: _____
 of _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Ryland 20CD (05-123-31911)/Plugging Procedure (Intent)
 Producing Formation: Niobrara/Codell: 7206'-7540'
 Upper Pierre Aquifer: 282'-1310'
 TD: 7638' PBTD: 7598'
 Surface Casing: 8 5/8" 24# @ 665' w/ 470 sxs
 Production Casing: 4 1/2" 11.6# @ 7633' w/ 975 sxs cmt (TOC @ 510' - CBL).
 Tubing: 2 3/8" tubing set @ 7517.8' (2/17/2011).
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 7156'. Top with 2 sxs 15.8#/gal CI G cement.
 4. TIH with tubing to 1600'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1600'-1100'). TOOH with tubing.
 5. TIH with perforation gun. Shoot 2 holes for annular squeeze at 495' @ 1 SPF or preferred.
 6. TIH with tubing to 865'. RU cementing company. Mix and pump 70 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.
 7. Close off casing returns. Hook up cement line to cement flange and pump 130 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 495' into annular space. Cement should circulate to surface.
 8. 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**

401993619	WELLBORE DIAGRAM
401993621	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)