

Document Number:
402533645

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: Evins, Bret Tel: (970) 420-6699

COGCC contact: Email: bret.evins@state.co.us

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

API Number 05-123-29961-00

Well Name: PAPPENHEIM Well Number: 34-26

Location: QtrQtr: SWSE Section: 26 Township: 7N 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: 40.538360 Longitude: -104.515470

GPS Data: GPS Quality Value: 3.6 Type of GPS Quality Value: _____ Date of Measurement: 09/29/2006

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	7040	7050			

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	585	413	585	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7194	480	7194	790	CBL

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6990 with 2 sacks cmt on top. CIBP #2: Depth 6725 with 2 sacks cmt on top.
 CIBP #3: Depth 2500 with 2 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 1865 ft. to 1535 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 750 ft. with 188 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 57 sacks half in. half out surface casing from 750 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
 Surface Plug Setting Date: _____ Cut and Cap Date: _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Pappenheim 34-26 (05-123-29961)/Plugging Procedure (Intent)
 Producing Formation: Codell: 7040'-7050'
 Upper Pierre Aquifer: 650'-1700'
 Deepest Water Well: 480'
 TD: 7233' PBTD: 7212' (Original PBTD)
 Surface Casing: 8 5/8" 24# @ 585' w/ 413 sxs cmt
 Production Casing: 4 1/2" 10.5# @ 7194' w/ 480 sxs cmt (TOC @ 790' - CBL)

Tubing: 2 3/8" tubing set @ 7045' (8/2/2006)
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 6990'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7040')
 4. TIH with CIBP. Set BP at 6725'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6750')
 5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
 6. Unland casing and perform stretch calculation confirming surface squeeze can be executed.
 7. TIH with perf gun. Shoot squeeze holes at 750'.
 8. TIH with tubing to 1865'. RU cementing company. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1865-1535')
 9. Pick up tubing to 750'. Mix and pump 57 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface
 10. Close off casing returns. Hook up cement line to cement flange and pump 188 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 750' into annular space. Cement should circulate to surface.
 11. 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: _____

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402533663	WELLBORE DIAGRAM
402533664	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)