

Document Number:
401105729

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: Kelsi Welch
 Name of Operator: PDC ENERGY INC Phone: (303) 831-3974
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required, Name: Gomez, Jason Tel: (970) 573-1277
 COGCC contact: Email: jason.gomez@state.co.us

API Number 05-123-14506-00 Well Number: 34-23
 Well Name: MCINTOSH
 Location: QtrQtr: SWSE Section: 23 Township: 6N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 67803
 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: 40.466440 Longitude: -104.514140
 GPS Data:
 Date of Measurement: 06/27/2010 PDOP Reading: 1.7 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
CODELL	6800	6816			
FORT HAYS	6774	6799			
NIOBRARA	6515	6726			

Total: 3 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	316	165	316	0	
1ST	7+7/8	4+1/2	11.6	6,954	200	6,954	6,100	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6465 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 3600 ft. to 3073 ft. Plug Type: CASING Plug Tagged:
 Set 50 sks cmt from 560 ft. to 11 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 _____ 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 Plugging Date: _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

McIntosh 34-23 (05-123-14506)/Plugging Procedure (Intent)
 Producing Formation: Niobrara 6515'-6726' Ft. Hays 6774'-6799' Codell 6800'-6816'
 TD: 6954' PBTD: 6900'
 Surface Casing: 8 5/8" 24# @ 316' w/ 165 sxs
 Production Casing: 4 1/2" 11.6# @ 6954' w/ 200 sks cmt (TOC 6100' - CBL)
 (Cement Squeeze from 3380' to 3460' - CBL)
 (Annular Cement Fill from 11' to 560' - CBL)

Tubing: 2 3/8" tubing set at 6785'. (1/22/2008)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6465'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with tubing to 3600'. Mix and pump 40 sxs of 15.8#/gal CI G cement down tubing.
5. Reset tubing to 560'. Mix and pump 50 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
6. 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: Kelsi Welch
 Title: Regulatory Analyst Date: _____ Email: kelsi.welch@pdce.com

