

Document Number:
402580144

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: 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: Santistevan, Brittani Tel: (720) 471-1110
COGCC contact: Email: brittani.santistevan@state.co.us

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

API Number 05-123-11531-00 Well Number: 1
 Well Name: LEONARD & SON
 Location: QtrQtr: SWNW Section: 16 Township: 5N Range: 67W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 65481
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.401440 Longitude: -104.904780
 GPS Data: GPS Quality Value: 2.4 Type of GPS Quality Value: _____ Date of Measurement: 05/27/2007

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 2500
 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	6960	7262			

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	502	400	502	0	VISU
1ST	7+7/8	4+1/2	J-55	11.6	0	7310	250	7310	5310	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6910 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 100 sks cmt from 2500 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 100 sks cmt from 1520 ft. to 1320 ft. Plug Type: OPEN HOLE 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 204 sacks half in. half out surface casing from 602 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:

Leonard & Son 1 (05-123-11531)/Plugging Procedure (Intent)
 Producing Formation: Niobrara/Codell: 6960'-7262'
 Upper Pierre Aquifer: 440'-1420'
 TD: 7317' PBTD: 7284' (11/2/2009)
 Surface Casing: 8 5/8" 24# @ 502' w/ 400 sxs cmt
 Production Casing: 4 1/2" 11.6# @ 7310' w/ 250 sxs cmt (TOC @ 5310' - CBL)
 Tubing: 2 3/8" tubing set @ 7216' (11/2/2009)
 Proposed Procedure:
 1. MIRU. Pull 2 3/8" tubing.
 2. RU wireline.
 3. TIH with CIBP. Set BP at 6910'. Top with 2 sx 15.8#/gal CI G cement. (Top of Niobrara perms @ 6960')
 4. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
 5. TIH with tubing to 2500'. RU cementing company. Mix and pump 100 sx 15.8#/gal CI G cement down tubing. (Stub plug from 2500'-2300')
 6. Pick up tubing to 1520'. Mix and pump 100 sx 15.8#/gal CI G cement down tubing. (Pierre coverage from 1520'-1320')
 7. Pick up tubing to 602'. Mix and pump 204 sx 15.8#/gal CI G cement down tubing. 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: Jenifer Hakkarinen

Title: Reg Tech

Date:

Email: Jenifer.Hakkarinen@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
402580160	WELLBORE DIAGRAM
402580162	WELLBORE DIAGRAM
402580163	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)