

Document Number:
402590056

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 05-123-24585-00

Well Name: GROVES Well Number: 33-34

Location: QtrQtr: NWSE Section: 34 Township: 7N Range: 65W 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: 40.528750 Longitude: -104.646580

GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: _____ Date of Measurement: 01/27/2007

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	7132	7142			

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	680	480	680	0	VISU
1ST	7+7/8	4+1/2	J-55	10.5	0	7304	680	7304	600	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7085 with 2 sacks cmt on top. CIBP #2: Depth 6790 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 15 sks cmt from 1750 ft. to 1550 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 500 ft. with 118 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 60 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:

Groves 33-34 (05-123-24585)/Plugging Procedure (Intent)
 Spud Date: 1/10/2007
 Producing Formation: Codell: 7132'-7142'
 Deepest Water Well: 340'
 Sussex\Shannon (w/ 1 mile): No
 Upper Pierre Aquifer: 680'-1650'
 TD: 7311' PBD: 7255'
 Surface Casing: 8 5/8" 24# @680' w/ 480 sxs cmt
 Production Casing: 4 1/2" 10.5# M-65 @ 7304' w/ 680 sxs cmt (TOC @ 600 - CBL)

Tubing: 2 3/8" tubing set @ 7115' (2/12/2007)
 Proposed Procedure:
 1. MIRU. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 7085'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7132')
 4. TIH with CIBP. Set BP at 6790'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio Form @ 6838')
 5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement. (Courtesy Plug)
 6. TIH with tubing to 1750'. RU cementing company. Mix and pump 15 sxs 15.8#/gal CI G cement down tubing (Pierre coverage 1550'-1750').
 7. TIH with perforation gun. Shoot 2 holes for annular squeeze at 500' @ 1 SPF or preferred.
 8. TIH with tubing to 780'. RU cementing company. Mix and pump 118 sxs 15.8#/gal CI G cement down tubing thru squeeze perforations. Cement should circulate to surface. Close off casing returns, pump 60 sxs 15.8#/gal CI G cement 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: 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: _____

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

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402590061	WELLBORE DIAGRAM
402590062	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)