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400527121

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12/16/2013

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: <u>69175</u>	Contact Name: <u>Jenifer Hakkarinen</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 8605800</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: <u>(303) 8605838</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Jenifer.Hakkarinen@pdce.com</u>
For "Intent" 24 hour notice required, Name: <u>Rickard, Jeffrey</u> Tel: _____	
COGCC contact: Email: <u>jeffrey.rickard@state.co.us</u>	

API Number <u>05-123-19427-00</u>	Well Name: <u>LATHAM</u>	Well Number: <u>2-31</u>
Location: QtrQtr: <u>SESW</u> Section: <u>2</u> Township: <u>4N</u> Range: <u>65W</u> Meridian: <u>6</u>	County: <u>WELD</u>	Federal, Indian or State Lease Number: <u>57809</u>
Field Name: <u>WATTENBERG</u>	Field Number: <u>90750</u>	

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.335796 Longitude: -104.632758

GPS Data:
Date of Measurement: 07/22/2010 PDOP Reading: 2.4 GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment: Dry Production for 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	7320	7337			

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	405	285	405	0	
1ST	7	4+1/2	11.6	7,496	1,206	7,496	0	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7270 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 200 sks cmt from 3500 ft. to 4500 ft. Plug Type: STUB PLUG 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 _____ 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 200 sacks half in. half out surface casing from 500 ft. to 0 ft. Plug Tagged:
Set 10 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:

Plugging Procedure
Codell
Existing Perforations:
Codell: 7320'-7337'
PBSD: 7458'
8 5/8" 24# @ 405' w/ 285 sks cmt.
4.5" 11.6# @ 7496' w/ 1206 sks cmt
Procedure:
1. MIRU wireline
2. RIH w/ CBL to verify cement tops
3. RIH w/dump bailer and dump 2 sx cement on top of CIBP @ 7000'
4. TIH to set 200 sack plug @ Parkman/Sussex (~3500'--4500')
5. TOH and fill casing with cement from 500' to surface
6. Set 10 sx @ top of surface
7. Cut casing 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: Regulatory Tech Date: 12/16/2013 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: JENKINS, STEVE Date: 12/17/2013

COA Type	Description
	<p>NOTE: Change in plugging procedure</p> <p>1) Please file a Form 42 for notice of plugging operations prior to proceeding with the plugging.</p> <p>2) For 4500' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 3500' or shallower). Leave at least 100' cement in the casing for each plug.</p> <p>3) Properly abandon flowlines as per Rule 1103.</p>

Attachment Check List

Att Doc Num	Name
400527121	FORM 6 INTENT SUBMITTED
400527126	WELLBORE DIAGRAM
400527127	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>LOCATION: SE 1/4 OF SW 1/4 OF SEC. 2, TOWNSHIP 4N, RANGE 65W (598 FSL, 1990 FWL) GROUND ELEVATION 4665'. DEEPEST WATER WELL WITHIN 1 MILE IS 200', BOTTOM OF THE FOX HILLS AT THE WELL SITE: 251', TOP 17'.</p>	<p>12/17/2013 1:46:49 PM</p>

Total: 1 comment(s)