

Document Number:
402438301

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: Revas, Robbie Tel: (720) 661-7242

COGCC contact: Email: robbie.revas@state.co.us

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

API Number 05-123-21561-00

Well Name: BUFFALO GARDEN Well Number: 31-13

Location: QtrQtr: NWNE Section: 13 Township: 2N Range: 68W 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: 40.144488 Longitude: -104.949165

GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: _____ Date of Measurement: 07/26/2010

GPS Instrument Operator's Name: Shantell Kling

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
J SAND	7859	7898			

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	663	500	663	0	VISU
1ST	7+7/8	4+1/2	11.6	7,947	480	7,947	4,170	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7809 with 2 sacks cmt on top. CIBP #2: Depth 7114 with 2 sacks cmt on top.
 CIBP #3: Depth 4200 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 80 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 80 sks cmt from 1750 ft. to 1550 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 243 sacks half in. half out surface casing from 763 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. _____ inch casing Cut and Cap Date: _____
of
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Buffalo Garden 31-13 (05-123-21561)/Plugging Procedure (Intent)
 Producing Formation: J-Sand: 7859'-7898'
 Upper Pierre Aquifer: 560'-1650'
 TD: 7950' PBTD: 7939' (4/1/2008)
 Surface Casing: 8 5/8" 24# @ 663' w/ 500 sxs cmt
 Production Casing: 4 1/2" 11.6# @ 7947' w/ 480 sxs cmt (TOC @ 4170' - CBL)
 Tubing: 2 3/8" tubing set @ 7829' (4/1/2008)
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 7809'. Top with 2 sxs 15.8#/gal CI G cement. (Top of J-Sand perms @ 7859')
 4. TIH with CIBP. Set BP at 7114'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 7164')
 5. TIH with CIBP. Set BP at 4200'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Sussex @ 4250')
 6. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
 7. TIH with tubing to 2550'. RU cementing company. Mix and pump 80 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 2500'-2300')
 8. TIH with tubing to 1750'. Mix and pump 80 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1750'-1550')
 9. Pick up tubing to 763'. Mix and pump 243 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 10. 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

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 Check List

Att Doc Num	Name
402438302	WELLBORE DIAGRAM
402438303	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)