

FORM  
6Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400841350

Date Received:

05/21/2015

## 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: \_\_\_\_\_ Tel: \_\_\_\_\_

COGCC contact:

Email: \_\_\_\_\_

API Number 05-123-09859-00

Well Name: GLENS

Well Number: 4

Location: QtrQtr: SWNW Section: 5 Township: 1N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: SPINDLE

Field Number: 77900

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

## Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.083056

Longitude: -104.923333

GPS Data:

Date of Measurement: 07/26/2010

PDOP Reading: 2.2

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: \_\_\_\_\_

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
SHANNON	5353	5370	04/14/2015	B PLUG CEMENT TOP	4870
SUSSEX	4912	4956	04/14/2015	B PLUG CEMENT TOP	4870

Total: 2 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	619	425	619	0	VISU
1ST	7+7/8	4+1/2	10.5	5,478	325	5,478	4,105	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4870 with 2 sacks cmt on top. CIBP #2: Depth 800 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 \_\_\_\_\_ 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 720 ft. with 228 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: 04/14/2015

\*Wireline Contractor: Nabors

\*Cementing Contractor: Ridge Cementing

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

\*ATTACH JOB SUMMARY

Technical Detail/Comments:

Glens 4 (05-123-09859)/Plugging Procedure (Subsequent Report)

Plugging Date: 4/14/2015

Producing formation: Sussex-Shannon

Existing Perforations: Sussex: 4912'-4956', Shannon: 5353' – 5370'

TD: 5488' PBD: 5420'

Surface Casing: 8 5/8" 24# @ 619' w/ 425 sks cmt.

Production Casing: 4 1/2" 10.5# @ 5478' w/ 325 sks cmt (TOC 4105').

Procedure:

1. MIRU Summit Surveying. Run gyro survey from 5300' to surface.

2. MIRU Nabors Wireline. RIH with CIBP. Set plug at 4870'. Dump bail 2 sks of cmt of top of BP.

3. RIH with CIBP. Set plug at 800'. Run CBL from 800' to surface. CBL showed no cmt in annulus.

4. RIH and perforate 4 squeeze holes at 720'.

5. Mix and pump 228 sxs of class G 15.8#/gal cmt down surface casing and circulate cement up annulus to surface.

6. Top of cement at 10'. 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: 5/21/2015

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, Travis

COGCC Approved:

Date: 6/23/2016

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

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**Attachment Check List**

**Att Doc Num**

**Name**

400841350	FORM 6 SUBSEQUENT SUBMITTED
400843093	CEMENT JOB SUMMARY
400843095	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Permit	Passes permitting.	6/23/2016 6:36:29 AM
Permit	Waiting on an updated Wellbore Diagram from the Operator.	6/20/2016 8:04:21 AM
Public Room	Document verification complete 12/29/15	12/29/2015 3:23:21 PM
Agency	Requested CBL and Form 42 for flowlines	12/28/2015 12:49:06 PM

Total: 4 comment(s)