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01/29/2015

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: Christine Brookshire

Name of Operator: PDC ENERGY INC Phone: (303) 860-5800

Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203 Email: christine.brookshire@pdce.com

For "Intent" 24 hour notice required, Name: Montoya, John Tel: (970) 397-4124

COGCC contact: Email: john.montoya@state.co.us

API Number 05-001-08720-00

Well Name: GOOSE Well Number: 2

Location: QtrQtr: SWNE Section: 34 Township: 1S Range: 65W Meridian: 6

County: ADAMS Federal, Indian or State Lease Number: _____

Field Name: TRAPPER Field Number: 83840

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.923008 Longitude: -104.647202

GPS Data:
Date of Measurement: 01/20/2010 PDOP Reading: 2.8 GPS Instrument Operator's Name: Robert Girillego

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

Casing to be pulled: Yes No Estimated Depth: 5950

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
D SAND	7993	8002			
J SAND	8058	8063	10/15/1986	BRIDGE PLUG	8031

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	335	225	335	0	VISU
1ST	7+7/8	4+1/2	11.6	8,170	225	8,170	6,985	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7900 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 <u>45</u>	sks cmt from <u>7600</u> ft. to <u>7000</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>50</u>	sks cmt from <u>6000</u> ft. to <u>5800</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>300</u>	sks cmt from <u>5300</u> ft. to <u>4300</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>2</u>	sks cmt from <u>8031</u> ft. to <u>8000</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>150</u>	sks cmt from <u>1525</u> ft. to <u>1197</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>

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 600 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

Existing Perforations:
 D Sand: 7993'-8002'
 J Sand: 8058'-8063'
 PBTD: 8144'
 8 5/8" 24# @ 225' w/ 225 sks cmt
 4 1/2" 11.6# @ 8109' w/ 225 sks cmt (TOC @ 6000')

Procedure:
 1. MIRU wireline
 2. RIH, set CIBP @ 7900'
 3. RIH w/dump bailer and dump 2 sx cement on top of CIBP @ 7900'
 4. RIH w/casing cutter, cut & pull casing @ ~5950'
 5. TIH set 50 sack plug @ casing stub (5800'-6000')
 6. TOH set 300 sack plug @ Parkman/Sussex (4300-5300') (Sussex Top @ 4830')
 7. TOH and set 200 sack cement plug half in half out of surface casing from 600' to surface
 8. 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: Christine Brookshire
 Title: Regulatory Tech Date: 1/29/2015 Email: christine.brookshire@pdce.com

Based on the information provided, the Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:

Date: 2/11/2015

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 8/10/2015

COA Type	Description
	<p>Note changes in plugging procedure:</p> <ol style="list-style-type: none"> 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) No record of cement cap on existing CIBP @ 8031'. Add 2 sxs cement or submit records confirming cement cap. 3) Add 45 sxs Nio casing plug @ 7600'. 4) If unable to pull casing below 5200' contact COGCC for plugging modifications. 5) Add 150 sxs open hole plug over Laramie Fox Hills aquifer from 1525' to 1197'. Pump plug and displace, shut-in, WOC 4 hours and tag plug. 6) For 600' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 216' or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug. 7) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 8) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
	Operator to bring production information current and complete prior to submitting Form 6 SRA.

Attachment Check List

Att Doc Num	Name
2451204	WELLBORE DIAGRAM
2451205	WELLBORE DIAGRAM
400783187	FORM 6 INTENT SUBMITTED

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Attached current and proposed wellbore diagram with previous bridge plug identified.	2/6/2015 7:48:54 AM
Permit	Requested Wellbore diagram with J Sand P&A from 1986.	1/30/2015 12:46:59 PM
Permit	Corrected formations per the operator's instruction. Added plugging information for the J Sand. Located notice to P&A filed 03/20/1986 #304528. Completion report for D Sand located 04/09/1986 #304529.	1/30/2015 12:42:43 PM

Total: 3 comment(s)