

FORM
6Rev
12/05State of Colorado
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400620067

Date Received:

06/04/2014

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: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-20552-00

Well Name: WELLS RANCH

Well Number: 32-10

Location: QtrQtr: SWNE Section: 10 Township: 5N Range: 63W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.415750

Longitude: -104.419670

GPS Data:

Date of Measurement: 11/01/2007

PDOP Reading: 2.5

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☒ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 3060

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☒ Yes☐ No

If yes, explain details below

Details: found 1 hole between 1,735'-1,766'

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA-CODELL	6490	6664			
J SAND	7118	7124	04/13/2004	BRIDGE PLUG	7050

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	407	300	407	0	VISU
1ST	7	4+1/2	15.1	7,294	240	7,294	3,110	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6440 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 50 sks cmt from 3060 ft. to 3010 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 607 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:

Existing Perforations:

Codell: 7118-7124'

Niobrara: 6490-6664'

PBTD: 7280'

8 5/8" 24# @ 407' W/ 300 sks cmt.

4.5" 15.1# @ 7370' w/ 510 sks cmt (TOC @ 3110')

Procedure:

1)MIRU wireline

2)RIH w/CIBP set @ 6440'

3)RIH w/dump bailer and dump 2 sx cement on top of CIBP

4)RIH w/casing cutter, cut & pull casing @ ~3060'

5)TIH set 50 sack plug @ casing stub (3060')

6)TIH to tag stub plug

7)TOH and set 200 sack cement plug from 607' to surface

8)Set 10 sx @ top of surface

9)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: 6/4/2014 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: 6/27/2014

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/26/2014

COA Type**Description**

	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 3060' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 3010' or shallower. 3) For 607' plug: pump plug and displace. If surface casing plug does not circulate to surface then tag plug, must be 307' or shallower. Provide 10 sx plug at the surface, if needed. Leave at least 100' cement in the casing for each plug. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
	Form 7 reporting will be corrected to reflect PA status for J Sand beginning 4/2004.

Attachment Check List**Att Doc Num****Name**

2157740	WELLBORE DIAGRAM
2157741	WELLBORE DIAGRAM
400620067	FORM 6 INTENT SUBMITTED

Total Attach: 3 Files

General Comments**User Group****Comment****Comment Date**

Permit	Corrected fms. Oper. submitted corrected WBD's.	6/27/2014 7:09:15 AM
Permit	Old style comp. rept. #1079174 sub. 3/2002 meets form 5/5A requirements. WBD's mislabeled. Added BP above J per form 5A submitted 2004. Req'd revised WBD's. and form 7 reporting corrections.	6/9/2014 11:35:44 AM

Total: 2 comment(s)