

FORM
6Rev
05/18

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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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: Evins, Bret

Tel: (970) 420-6699

COGCC contact:

Email: bret.evins@state.co.us

API Number 05-123-20373-00

Well Name: NATIONAL HOG FARM

Well Number: 41-21

Location: QtrQtr: NENE Section: 21 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: 40.390360

Longitude: -104.433110

GPS Data:

Date of Measurement: 09/26/2007

PDOP Reading: 1.8

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1600

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	6609	6617			
J SAND	7064	7078	01/07/2003	BRIDGE PLUG	6765

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	404	285	404	0	VISU
1ST	7+7/8	4+1/2	10.5	7,445	570	7,445	3,392	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6559 with 2 sacks cmt on top. CIBP #2: Depth 6238 with 2 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>2</u> sks cmt from <u>6765</u> ft. to <u>6738</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>255</u> sks cmt from <u>1715</u> ft. to <u>1300</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>360</u> sks cmt from <u>604</u> ft. to <u>0</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input 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 _____ 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. _____ inch casing Plugging Date: _____
 of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

National Hog Farm 41-21 (05-123-20373)/Plugging Procedure (Intent)

Producing Formation: Codell: 6609'-6617' J Sand: 7064'-7078'

Upper Pierre Aquifer: 417'-1470'

TD: 7454' PBD: 6737'

Surface Casing: 8 5/8" 24# @ 404' w/ 285 sxs

Production Casing: 4 1/2" 10.5# @ 7445' w/ 570 sxs cmt (TOC @ 3392' - CBL).

Existing CIBP @ 6765' w/ no cement (1/7/2003).

Tubing: 2 3/8" tubing set @ 6563' (7/28/2015) with existing 2 stage plunger @ 3958' (10/3/2016).

Proposed Procedure:

1. RU wireline. Remove 2 stage plunger set at 3958'.
2. Tag fill at 6737' and cleanout to existing CIBP @ 6765'.
3. MIRU pulling unit. Pull 2 3/8" tubing.
4. RU wireline company.
5. At 6765' +, dumpbail 2 sxs cmt on existing CIBP.
6. TIH with CIBP. Set BP at 6559'. Top with 2 sxs 15.8#/gal CI G cement.
7. TIH with CIBP. Set BP at 6238'. Top with 2 sxs 15.8#/gal CI G cement.
8. TIH with casing cutter. Cut 4 1/2" casing at 1600'. Pull cut casing.
9. TIH with tubing to 1715'. RU cementing company. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (Pierre coverage from 1715'-1300').
10. Pick up tubing to 604'. Mix and pump 360 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
11. 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
401949750	WELLBORE DIAGRAM
401949752	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)