

FORM

6

Rev
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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Document Number:

401915474

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: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

API Number 05-123-26138-00

Well Name: HEYDE

Well Number: 31-26

Location: QtrQtr: NWNE Section: 26 Township: 3N Range: 64W 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: 40.201750

Longitude: -104.516970

GPS Data:

Date of Measurement: 09/13/2007

PDOP Reading: 2.4

GPS Instrument Operator's Name: HOLLY TRACY

Reason for Abandonment:

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

Estimated Depth: 1800

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
NIOBRARA-CODELL	6696	6936			
J SAND	7397	7432	12/27/2007	B PLUG CEMENT TOP	7180

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	750	570	750	0	VISU
1ST	7+7/8	4+1/2	11.6	7,536	216	7,536	6,145	CBL
			Stage Tool	4,818	206	4,818	3,836	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6646 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 1 sks cmt from 7166 ft. to 7153 ft. Plug Type: CASING Plug Tagged: ☐
Set 40 sks cmt from 5066 ft. to 4566 ft. Plug Type: CASING Plug Tagged: ☐
Set 255 sks cmt from 1915 ft. to 1500 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 470 sks cmt from 950 ft. to 0 ft. Plug Type: OPEN HOLE 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 _____ 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:

Heyde 31-26 (05-123-26138) Plugging Procedure (Intent)
Producing Formation: J-Sand: 7397'-7432' Niobrara/Codell: 6696'-6936'
Upper Pierre Aquifer: 840'-1670'
TD: 7566' PBD: 7068'
Surface Casing: 8 5/8" 24# @ 750' w/ 570 sxs
Production Casing: 4 1/2" 11.6# @ 7536.3' w/ 216 sxs cmt (TOC @ 6145' – CBL).
DV Tool @ 4816' w/ 206 sxs cmt (4818'- 3836' – CBL).
Existing CIBP @ 7180' w/ 1 sxs cmt (12/27/2007).

Tubing: 2 3/8" tubing set @ 6917.8' (1/22/2008).

Proposed Procedure:

1. Tag fill @ 7068' and cleanout to existing TOC of CIBP @ 7166'.
2. MIRU pulling unit. Pull 2 3/8" tubing.
3. RU wireline company.
4. At 7166' +, dumpbail 1 sxs of cement on existing cement.
5. TIH with CIBP. Set BP at 6646'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with tubing to 5066'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (DV Tool coverage from 5066'-4566'). TOOH with tubing.
7. TIH with casing cutter. Cut 4 1/2" casing at 1800'. Pull cut casing.
8. TIH with tubing to 1915'. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (Pierre coverage from 1915'-1500').
9. Pick up tubing to 950'. Mix and pump 470 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.
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

Title: Reg Tech

Date: _____

Email: valerie.danson@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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: _____

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401915530	WELLBORE DIAGRAM
401915531	WELLBORE DIAGRAM
401915534	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)