

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:

401052743

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: 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: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-123-14245-00

Well Name: HUNGENBERG

Well Number: 5-20

Location: QtrQtr: SWNW Section: 20 Township: 6N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 56219

Field Name: GREELEY

Field Number: 32760

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.474722

Longitude: -104.694722

GPS Data:

Date of Measurement: 01/18/2010

PDOP Reading: 2.1

GPS Instrument Operator's Name: Brandon Lucason

Reason for Abandonment:

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

Estimated Depth: 6155

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	7184	7194			
NIOBRARA	6868	7108			

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	226	50	226	0	VISU
1ST	7+7/8	3+1/2	9.3	7,296	305	7,296	6,205	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6818 with 1 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 16 sks cmt from 6205 ft. to 6105 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 252 sks cmt from 4425 ft. to 3530 ft. Plug Type: OPEN HOLE 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 170 sacks half in. half out surface casing from 600 ft. to 0 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: _____

*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:

Proposed Plugging Procedure
Hungenberg 5-20 (05123142450000)

Existing Perforations:

Niobrara: 6,868' – 7,108'

Codell: 7,184' – 7,194'

Current PBTD: 7,126'

Surface Csg: 8-5/8" 24# @ 226' w/ 50 sxs cmt (TOC @ surface)

Production Csg: 3-1/2" 9.3# @ 7,296' w/ 305 sxs cmt (TOC @ 6,205')

Procedure:

1. MIRU WO rig.
2. Load and kill well.
3. POOH w/ 213 jts of 2-1/16 tbg.
4. Load well.
5. PU CIBP.
6. RIH w/ CIBP and set @ 6,818' in 3.5" csg.
7. MIRU cmt services.
8. PU dump bailer and 1 sx cmt.
9. Spot cmt on CIBP from 6,793' to 6,818'.
10. POOH w/ bailer.
11. MIRU WL unit.
12. PU csg cutter.
13. RIH w/ csg cutter to 6,155' and cut 3.5" csg.
14. POOH w/ WL.
15. POOH w/ 6,143' of 3.5" csg.
16. RIH w/ work string.
17. Spot a 2 sx balance plug from 6,205' to 6,155' in 3.5" csg stub.
18. TOOH and spot a 14 sx balance plug on top of stub from 6,155' to 6,105'.
19. TOOH and spot a 252 sx balance plug from 4,425' to 3,530' to cover Sussex/Parkman.
20. TOOH and spot a 170 sx balance plug from 600' to surface.
21. POOH w/ work string.
22. WOC.
23. RIH and tag.
24. Top off remaining volume.
25. RDMO units.
26. Cut and weld 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: Reg Tech

Date: _____

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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: _____

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401052770	WELLBORE DIAGRAM
401052771	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)