

FORM
6
Rev
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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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: <u>69175</u>	Contact Name: <u>Jenifer Hakkarinen</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 8605800</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Jenifer.Hakkarinen@pdce.com</u>

For "Intent" 24 hour notice required, Name: _____ Tel: _____
COGCC contact: Email: _____

API Number <u>05-123-16211-00</u>	Well Number: <u>26-2</u>
Well Name: <u>BIHAIN</u>	
Location: QtrQtr: <u>SENW</u> Section: <u>26</u> Township: <u>5N</u> Range: <u>64W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Federal, Indian or State Lease Number: <u>69073</u>	
Field Name: <u>WATTENBERG</u> Field Number: <u>90750</u>	

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.371944 Longitude: -104.519167

GPS Data:
 Date of Measurement: 12/13/2009 PDOP Reading: 2.4 GPS Instrument Operator's Name: Brandon Lucason

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

Casing to be pulled: Yes No Estimated Depth: _____

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	6735	6747	04/01/2016	B PLUG CEMENT TOP	6404
NIOBRARA	6454	6628	04/01/2016	B PLUG CEMENT TOP	6404
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	323	260	323	0	
1ST LINER	7+7/8	3+1/2	9.3	6,840	890	6,840	3,843	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6404 with 2 sacks cmt on top. CIBP #2: Depth 223 with 73 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 215 sks cmt from 640 ft. to 0 ft. Plug Type: STUB PLUG Plug Tagged:
Set 34 sks cmt from 333 ft. to 223 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 73 sks cmt from 223 ft. to 0 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:

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: 525 ft. of 3+1/2 inch casing Plugging Date: 04/01/2016

*Wireline Contractor: Magna *Cementing Contractor: Magna

Type of Cement and Additives Used: Class G 15.8 ppg

Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Bihain #26-2 (05-123-16211)/Plugging Procedure
Producing Formation: Niobrara 6454'-6628' Codell 6735'-6747'
TD: 6867' PBTD: 6809'
Surface Casing: 8" 24# @ 323' w/ 260 sks cmt.
Production Casing: 3 1/2" 9.3# @ 6840' w/ 890 sks cmt (TOC 3843' Calculated).
Tubing: 1 1/2" 2.9# EUE set at 6718'. (9/28/2010)

Procedure:

1. MIRU RU pulling unit. Pull 1 1/2" tubing.
2. RU wireline company. TIH with CIBP. Set bridge plug at 6404'. TIH with dump bailer. Spot 2 sxs cement on top of CIBP.
3. Run gyro survey from 6330'- surface.
4. TIH with casing cutter. Cut 3 1/2" casing at 525'. Pull 3 1/2" casing.
5. TIH with tubing to 640'. Mix and pump 215 sxs of 15.8#/gal CI G cement. Cement to surface.
6. Tag TOC @ 3' pressure test casing to 1000 PSI pressure drop to 50 psi.
7. Drill out cement to 333'.
8. Tag TOC @ 333' Mix and pump 34 sxs of class g 15.8 ppg cement.
9. TIH w/ CIBP set @ 223'. Top CIBP with 73 sxs of cement to surface.
6. 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: Jenifer Hakkarinen

Title: Reg Tech Date: _____ Email: Jenifer.Hakkarinen@pdce.com

