

FORM
6

Rev
02/20

State 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: 402367356			
Date Received: 04/09/2020			

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>Valerie Danson</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(970) 506-9272</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>valerie.danson@pdce.com</u>

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

COGCC contact: _____

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number <u>05-123-15018-00</u>	Well Number: <u>1</u>
Well Name: <u>BASS 41-12</u>	
Location: QtrQtr: <u>NENE</u> Section: <u>12</u> Township: <u>4N</u> Range: <u>66W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Federal, Indian or State Lease Number: <u>67407</u>	
Field Name: <u>WATTENBERG</u> Field Number: <u>90750</u>	

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.332440 Longitude: -104.717170

GPS Data: GPS Quality Value: 6.0 Type of GPS Quality Value: _____ Date of Measurement: 09/19/2006

GPS Instrument Operator's Name: PETROLEUM FIELD

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	7167	7177	03/06/2020	B PLUG CEMENT TOP	6778
NIOBRARA	6852	6987	03/06/2020	B PLUG CEMENT TOP	6778

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	351	250	351	0	VISU
1ST	7+7/8	4+1/2	11.6	7,292	250	7,292	6,380	CBL
S.C. 1.1				4,713	310	4,720	4,090	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6778 with 2 sacks cmt on top. CIBP #2: Depth 4200 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 92 sks cmt from 2600 ft. to 2300 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 268 sacks half in. half out surface casing from 604 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: 2500 ft. of 4+1/2 inch casing Cut and Cap Date: 03/09/2020
*Wireline Contractor: SureFire Wireline Services *Cementing Contractor: Magnum Cementing Services
Type of Cement and Additives Used: Type III 14.1 PPG MAG S Cement
Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Bass 41-12 1 (05- 123-15018)/Plugging Procedure
Producing Formation: Niobrara/Codell: 6852'-7177'

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6778'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 6852')
4. TIH with CIBP. Set BP at 4200'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with casing cutter. Cut 4 1/2" casing at 2500'. Pull cut casing.
6. TIH with tubing to 2600'. RU cementing company. Mix and pump 92 sxs 14.1#/gal Type III cement down tubing. TOC at 2300'.
7. Pick up tubing to 604'. Mix and pump 268 sxs 14.1#/gal Type III cement down tubing. Cement circulate to surface.
8. 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: 4/9/2020 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: Jacobson, Eric Date: 9/27/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

0 COA

Attachment List

Att Doc Num

Name

402367356	FORM 6 SUBSEQUENT SUBMITTED
402367357	CEMENT JOB SUMMARY
402367358	OTHER
402367359	OPERATIONS SUMMARY
402367360	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Engineer	Form 17 submitted late	09/24/2021
----------	------------------------	------------

Total: 1 comment(s)