

**FORM**  
**6**  
Rev  
11/20

**State of Colorado**  
**Energy & Carbon Management Commission**



DE	ET	OE	ES
----	----	----	----

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

**Replug By Other Operator**

Document Number:

403377919

Date Received:

08/09/2023

**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>1099 18TH STREET SUITE 1500</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>regulatory@pdce.com</u>

**For "Intent" 24 hour notice required,** Name: Medina, Justin Tel: (720) 471-0006  
**COGCC contact:** Email: justin.medina@state.co.us

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

API Number <u>05-001-07191-00</u>	Well Number: <u>1</u>
Well Name: <u>BRIGHTON FARMS LTD</u>	
Location: QtrQtr: <u>SWSW</u> Section: <u>31</u> Township: <u>1S</u> Range: <u>66W</u> Meridian: <u>6</u>	
County: <u>ADAMS</u> Federal, Indian or State Lease Number: _____	
Field Name: <u>WATTENBERG</u> Field Number: <u>90750</u>	

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 39.917060 Longitude: -104.824650  
 GPS Data: GPS Quality Value: 1.1 Type of GPS Quality Value: PDOP Date of Measurement: 07/13/2023

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other Re-enter to Re-plug for PDC's Adams Crossing development

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

Total: 0 zone(s)

**Casing History**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	24	0	204	180	204	0	VISU
OPEN HOLE	7+7/8				204	8355				

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 237 sks cmt from 7340 ft. to 6840 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 95 sks cmt from 2405 ft. to 2205 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 238 sks cmt from 1421 ft. to 919 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 388 sacks half in. half out surface casing from 695 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

Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_ Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_

\*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

Brighton Farms LTD 1 (05-001-07191)/Re-Enter to Re-Plug Procedure (Intent)

Original Abandon Date: 11/23/1976

Abandoned Formation: N/A (DA well)

Base of Pierre Aquifer: 2305' Deepest Water Well: 1321'

Base of Fox Hills: 1236' Lower Arapahoe: 350'-595'

TD: 8385'

Surface Casing: 8 5/8" 24# @ 204' w/ 180 sxs cmt

Open Hole: 7 7/8"?? @ 204'-8385' (Open Hole OD is assumed)

Existing Plugs: 1200'-950' (100 sxs cmt), 250'-200' (15 sxs cmt), 32' to surface (10 sxs cmt)

Proposed Procedure:

1. Dig out to find wellhead and check pressure.
2. Cut cap off, extend surface pipe to achieve ground level.
3. MIRU WO unit, ND wellhead, NU BOP, tally all pipe to be ran in well.
4. Mill cement, cement bottom is approximately 1200' according to well history data.
5. Wash run down to top of Niobrara @ 7389' or depth that well allows.
6. PU tubing to 7340'. RU cementing company. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing. (Top of Niobrara @ 7389', coverage from 7340'-6840') PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
7. PU tubing to 2405'. Mix and pump 95 sxs 15.8#/gal CI G cement down tubing (Pierre Aquifer coverage from 2405'-2205'). PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
8. PU tubing to 1421'. Mix and pump 238 sxs 15.8#/gal CI G cement down tubing (Fox Hills and Water Well coverage from 1421'-919'). PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
9. PU tubing to 695'. RU cementing company. Mix and pump 388 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. Top off if necessary.
10. RDMO WO unit. Remove extension of surface pipe.
11. Weld on cap with ID plate, inscribed with well location, and identity. Backfill, clean location. Re-Entry complete.

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 Analyst \_\_\_\_\_

Date: 8/9/2023 \_\_\_\_\_

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: 8/15/2023 \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 2/14/2024 \_\_\_\_\_

<b>COA Type</b>	<b>Description</b>
	Due to the proximity to a mapped wetland, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures to prevent sediment and stormwater runoff from entering the wetlands.
	Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors, odors and noise from plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment.
	Due to close proximity to Residential Building Units (RBUs), prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of the RBUs nearby and adjacent to the parcel with the well. The sheet will include the operator's contact information and the nature, timing, and expected duration of the P&A operations.
	Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216. Reviewed attachments. Pass.
	1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations. These are two separate notifications, required by Rules 405.e and 405.l. 2) Prior to placing cement above the base of the Upper Pierre (2505') : verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact ECMC Engineer for an update to plugging orders. 3) Pump surface casing shoe plug at 695' only after isolation has been verified. If surface casing cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 154' or shallower and provide a minimum of 10 sx plug at the surface. 4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation. 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.
5 COAs	

### **Attachment List**

<b>Att Doc Num</b>	<b>Name</b>
403377919	FORM 6 INTENT SUBMITTED
403377941	WELLBORE DIAGRAM
403377942	WELLBORE DIAGRAM
403491528	LOCATION PHOTO
403491529	SURFACE AGRMT/SURETY

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGLA review complete. Well is not in an HPH.	08/15/2023
Permit	No other forms in process.	08/14/2023
Engineer	Well file verification not completed prior to approval of NOIA.	08/14/2023
Engineer	Deepest Water Well within 1 Mile – 1321' SB5 Base of Fox Hills - 1236' SB5 Base of Lower Arapahoe - 595' SB5 Base of Upper Arapahoe - 295'  Upper Arapahoe / 4790 / 5009 / 80.4 / 275 / 56 / 21.87NNT Lower Arapahoe / 4470 / 4715 / 116.6 / 595 / 350 / 31.72NT Laramie-Fox Hills / 3829 / 4046 / 157.1 / 1236 / 1019 / 37.70NT	08/14/2023

Total: 4 comment(s)