

**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.

Document Number:  
 404143766  
 Date Received:  
 03/27/2025

ECMC Operator Number: 69175 Contact Name: Greg DeRonde  
 Name of Operator: PDC ENERGY INC Phone: (720) 315-2038  
 Address: 1099 18TH STREET SUITE 1500 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: greg.deronde@chevron.com

**For "Intent" 24 hour notice required,** Name: Kester, Michael Tel: (970) 852-9726  
 Email: michael.kester@state.co.us  
**ECMC contact:**

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

API Number 05-001-08515-00  
 Well Name: RITCHEY Well Number: 1-19  
 Location: QtrQtr: SESW Section: 19 Township: 1S Range: 66W Meridian: 6  
 County: ADAMS Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WATTENBERG Field Number: 90750

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

Latitude: 39.946030 Longitude: -104.821159  
 GPS Data: GPS Quality Value: 1.0 Type of GPS Quality Value: PDOP Date of Measurement: 03/24/2025  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other Re-enter to Re-plug  
 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+3/4	8+5/8	NA	24	0	336	200	336	0	VISU
OPEN HOLE	7+7/8				336	8279		8279		

## 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 120 sks cmt from 4838 ft. to 4538 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 120 sks cmt from 2832 ft. to 2532 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 510 sacks half in. half out surface casing from 1390 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 Number of Days from Setting Surface Plug  
Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_ 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:

The purpose is to re-enter and adequately re-plug prior to hydraulic fracturing treatment of a proposed well.

A closed loop system will be used.

Procedure

- 1 NU flange adaptor.
- 2 MIRU. Conduct pre-job safety meeting.
- 3 Complete a Form 17 Bradenhead Test.
- 4 Kill well with 8.3 ppg fresh water. Consult Engineer if unable to kill well with FW.
- 5 Verify well is static. Flow check well for 15 minutes. N/U 5K 9" BOP. Adapter will be needed from WH to BOP.
- 6 Pressure test BOP connection. Bleed pressure.
- 7 RU Power swivel
- 8 PU Drillout BHA (tri-cone bit, bit sub, drill collars, tubing).
- 9 RIH to TOC.
- 10 Mill through surface plug. Pressure test surface casing against surface shoe plug to 300 psi for 15 minutes 5% decrease allowed. This is to verify surface casing has integrity.
- 11 RIH and mill through surface shoe plug, est BOC is 347'.
- 12 Wash down to OH plug, estimated TOC at 909'.
- 13 Mill through OH plug, estimated BOC at 1,180'.
- 14 LD power swivel.
- 15 Wash down to 4,838' (50' above Sussex top).
- 16 Circulate 2X bottoms up.
- 17 POOH, L/D BHA
- 18 RIH to 4,838' open ended.
- 19 Establish circulation. Pump 10bbbls Chemical Wash followed by 120 sks of cement, plug from 4,838'-4,538'. Displace with fresh water to balance plug.
- 20 POOH w/ tubing to 4,338' and reverse circulate until clean returns observed.
- 21 POOH w/ tubing to 2,832'.
- 22 Establish circulation. Pump 10bbbls Chemical Wash followed by 120 sks of cement, plug from 2,832'-2,532'. Displace with fresh water to balance plug.
- 23 POOH w/ tubing to 2,382' and reverse circulate until clean returns observed.
- 24 POOH w/ tubing to 1,390'.
- 25 Pump 510 sacks of cement to surface.
- 26 Top off cement if needed. Cement needs to be approx. 10' from surface.
- 27 ND BOP.
- 28 RDMO.

3rd party wildlife surveys will be conducted on this well prior to rigging up for P&A activities. Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date. Please be aware that Form 6 Approval can predate actual rig work by up to several months and that environmental conditions can change quickly over that time. Chevron's Environmental Site Screening Process incorporates full environmental field clearances within 7 days of a scheduled well-work activity once the well is added to the active workover rig schedule. Should sensitive HPH conditions be identified during the screening process, Chevron will delay the work until conditions (nesting) clear and/or consult directly with CPW for guidance and discussion of potential mitigation measures that may be incorporated.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Sharon Strum  
Title: Lead Wells Technical Asst Date: 3/27/2025 Email: sharon.strum@chevron.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: Jacobson, Eric Date: 3/28/2025

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: 9/27/2025

<b>COA Type</b>	<b>Description</b>
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	Due to proximity to a mapped wetland and surface water, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.
	Operator committed to the following Best Management Practices under the Technical Detail/ Comments section on the Submit Tab: 3rd party wildlife surveys will be conducted on this well prior to rigging up for P&A activities. Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date. Please be aware that Form 6 Approval can predate actual rig work by up to several months and that environmental conditions can change quickly over that time. Chevron's Environmental Site Screening Process incorporates full environmental field clearances within 7 days of a scheduled well-work activity once the well is added to the active workover rig schedule. Should sensitive HPH conditions be identified during the screening process, Chevron will delay the work until conditions (nesting) clear and/or consult directly with CPW for guidance and discussion of potential mitigation measures that may be incorporated.
	Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.
	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 (1390') : 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 1390' 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 164' 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) After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging recording. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6SRA which method was used and what was observed. Retain records of final isolation test for 5 years. 6) 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>
404143766	FORM 6 INTENT SUBMITTED
404143803	LOCATION PHOTO
404143804	SURFACE AGRMT/SURETY
404143806	WELLBORE DIAGRAM
404144020	WELLBORE DIAGRAM

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Complete.	03/27/2025
OGLA	Location is not within HPH. Location Assessment Specialist review complete.	03/27/2025
Engineer	Deepest Water Well within 1 Mile – 1146' SB5 Base of Fox Hills - 1172' SB5 Base of Lower Arapahoe - 530' SB5 Base of Upper Arapahoe - 214'  Upper Arapahoe / 4832 / 4949 / 33.0 / 214 / 97 / 8.98 / NNT Lower Arapahoe / 4516 / 4757 / 103.5 / 530 / 289 / 28.15 / NT Laramie-Fox Hills / 3874 / 4088 / 154.4 / 1172 / 958 / 37.06 / NT	03/27/2025

Total: 3 comment(s)