

FORM
6Rev
11/20

State of Colorado

Energy & Carbon Management Commission

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DE ET OE ES

Document Number:

404115477

Date Received:

03/07/2025

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.

ECMC Operator Number: 69175

Contact Name: Charles Schendzielos

Name of Operator: PDC ENERGY INC

Phone: (970) 342-6667

Address: 1099 18TH STREET SUITE 1500

Fax:

City: DENVER State: CO Zip: 80202

Email: charles.schendzielos@chevron.com

For "Intent" 24 hour notice required,

Name: Kester, Michael

Tel: (970) 852-9726

ECMC contact:

Email: michael.kester@state.co.us

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

API Number 05-001-09774-02

Well Name: Willow Bend

Well Number: 18-22HC

Location: QtrQtr: NENE Section: 18 Township: 1S Range: 67W 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: 39.970959

Longitude: -104.923989

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 10/24/2014

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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-CARLILE	8372	12670	06/16/2014	CEMENT	8915

Total: 1 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	13+1/2	9+5/8	J55	36	0	1297	500	1297	0	VISU
1ST	8+3/4	7	P110	26	0	8372	710	8372	1334	CBL
1ST LINER	6+1/8	4+1/2	P110	11.6	6828	11927				
OPEN HOLE	6+1/8				11927	12670				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4599 with 2 sacks cmt on top. CIBP #2: Depth 2132 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 20 sks cmt from 6498 ft. to 6398 ft. Plug Type: CASING 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 445 sacks half in. half out surface casing from 1347 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 to Capping or Sealing the Well: _____
Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

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: 3/7/2025 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:

Date: 3/19/2025

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 9/18/2025

<u>COA Type</u>	<u>Description</u>
	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 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.
	<p>Operator committed to the following Best Management Practices under the Technical Detail/ Comments section on the Submit Tab:</p> <p>3rd party wildlife surveys will be conducted on this well prior to rigging up for P&A activities.</p> <p>Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date.</p> <p>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.</p>
	<p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the ECMC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact ECMC engineering for verification of plugging procedure.</p>
	<p>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.</p> <p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a ECMC Spill/Release Report, Form 19, associated with the abandoned line.</p>

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 (1660') : 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 1347' 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 392' 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.

6 COAs

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
404115477	FORM 6 INTENT SUBMITTED
404120200	WELLBORE DIAGRAM
404120203	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Location Assessment Specialist review complete. Well is not within HPH.	03/18/2025
Engineer	Deepest Water Well within 1 Mile – 1145" SB5 Base of Fox Hills - 1103' SB5 Base of Lower Arapahoe - 442'	03/18/2025
Permit	verified as drilled lat/long Verified completed intervals - 401797706, 401889847 Verified production reporting pass	03/10/2025

Total: 3 comment(s)