

Document Number:  
 403850599  
 Date Received:  
 07/10/2024

**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: 28780 Contact Name: Deborah Abrams  
 Name of Operator: FAHEY OIL & GAS Phone: (303) 8942100  
 Address: 93 SOUTH COUNTY ROAD 159 Fax: \_\_\_\_\_  
 City: STRASBURG State: CO Zip: 80136 Email: deborah.abrams@state.co.us  
**For "Intent" 24 hour notice required,** Name: Medina, Justin Tel: (720) 471-0006  
 ECMC contact: Email: justin.medina@state.co.us

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

API Number 05-001-08004-00  
 Well Name: ANTELOPE FARMS Well Number: 1-24 (OWP)  
 Location: QtrQtr: NWSW Section: 24 Township: 2S Range: 63W Meridian: 6  
 County: ADAMS Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: PORTER Field Number: 69798

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

Latitude: 39.859870 Longitude: -104.393530  
 GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 09/05/2012  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other OWP  
 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
J SAND	7483	7500			
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	12+1/4	8+5/8	UNK	24	0	258	125	258	0	VISU
1ST	7+7/8	4+1/2	UNK	11.6	0	7558	150	7558	7130	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7408 with 2 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 100 sks cmt from 1272 ft. to 931 ft. Plug Type: ANNULUS Plug Tagged:   
Set 35 sks cmt from 1272 ft. to 931 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:

Perforate and squeeze at 6553 ft. with 40 sacks. Leave at least 100 ft. in casing 6503 CICR Depth  
Perforate and squeeze at 2510 ft. with 40 sacks. Leave at least 100 ft. in casing 2460 CICR Depth  
Perforate and squeeze at 513 ft. with 110 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: \_\_\_\_\_ 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:

Perforate at 1272' and pump 135 sacks of cement.

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

Signed: \_\_\_\_\_ Print Name: Deborah Abrams

Title: OWP Date: 7/10/2024 Email: deborah.abrams@state.co.us

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: 7/19/2024

### CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 1/18/2025

COA Type	Description
	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, operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering wetland.
	<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>
	<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.i.</p> <p>2) Prior to placing cement above the base of the Upper Pierre (2460') : 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.</p> <p>3) Pump surface casing shoe plug at 513' 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 208' or shallower and provide a minimum of 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation.</p> <p>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.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>
5 COAs	

**ATTACHMENT LIST**

Att Doc Num	Name
403850599	FORM 6 INTENT SUBMITTED
403850600	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH, not near surface waters, and not near RBUs.	07/18/2024
Engineer	Well file verification not completed prior to approval of NOIA.	07/17/2024
Engineer	Deepest Water Well within 1 Mile – 410' SB5 Base of Fox Hills - 1222' SB5 Base of Lower Arapahoe - 683' SB5 Base of Upper Arapahoe - 393' SB5 Base of Denver - 225'  Denver / 5029 / 5182 / 76.6 / 225 / 72 / 20.84NNT Upper Arapahoe / 4861 / 4991 / 84.4 / 393 / 263 / 22.96NNT Lower Arapahoe / 4571 / 4786 / 74.5 / 683 / 468 / 20.26NT Laramie-Fox Hills / 4032 / 4273 / 132.4 / 1222 / 981 / 31.78NT	07/17/2024
Permit	Confirmed as-drilled well location. Confirmed productive interval docnum: 353217. Production reporting delinquent. Missing 3/2011, 4/2013-12/2013, 11/2014-2/2015, 9/2020, 3/2021, 4/2021, 8/2021-present. Reviewed WBDs. Pass.	07/11/2024

Total: 4 comment(s)