



Enduring Resources IV, LLC

200 Energy Court Farmington, NM 87401
Field Office: 505.636.9720 | Main Office: 303.573.1222

Enduring Resources, LLC
Haynes Canyon Unit 432H – 3RF-71
Recycling Facility/Containment
Cessation Request for 19.15.34 NMAC

New Mexico Oil Conservation Division
Attn: Victoria Venegas

Enduring Resources is requesting a cessation of operations for the Haynes Canyon Unit 432H (3RF-71) Water Recycling Facility. In accordance with 19.15.34.13.C NMAC, *"A recycling containment shall be deemed to have ceased operations if less than twenty percent of the total fluid capacity is used every six months following the first withdrawal of produced water for use. The operator must report cessation of operations to the division."*

Enduring is requesting a cessation of operations from 1/2025 through the end of 6/2025. The division may grant an extension to this determination of cessation of operations not to exceed six months. Enduring has included records for the last 6 months of inspections at this facility. Note, during the last 6 months, water storage tanks have been temporarily removed from the facility, and will be reinstalled before operations resume. Enduring will follow all regulations set forth under NMAC 19.15.34 for operations at this facility.

Thank you,

Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

State of New Mexico
Energy Minerals and Natural Resources
Department Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
<https://www.emnrd.nm.gov/ocd/ocd-e-permitting/>

Form C-147
Revised October 11, 2022

Recycling Facility and/or Recycling Containment

Type of Facility: ☒ Recycling Facility ☒ Recycling Containment*
Type of action: ☐ Permit ☐ Registration
 ☐ Modification ☐ Extension
 ☐ Closure ☒ Other (explain) Cessation Request 01.2025 through 06.2025

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: Enduring Resources, LLC (For multiple operators attach page with information) OGRID #: 372286
 Address: 200 Energy Court, Farmington, New Mexico 87401
 Facility or well name (include API# if associated with a well): Haynes Canyon unit 432H
 OCD Permit Number: 3RF-71 (For new facilities the permit number will be assigned by the district office)
 U/L or Qtr/Qtr E Section 3 Township 23N Range 6W County: Rio Arriba
 Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude 36.256109 Longitude -107.464804 NAD83
 Proposed Use: ☒ Drilling* ☒ Completion* ☒ Production* ☐ Plugging *
**The re-use of produced water may NOT be used until fresh water zones are cased and cemented*
☐ Other, *requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.*
☒ Fluid Storage
 ☒ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type _____
 ☐ Activity permitted under 19.15.36 NMAC explain type: _____ ☐ Other explain _____
 ☐ For multiple or additional recycling containments, attach design and location information of each containment
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: _____

3.

☒ **Recycling Containment:**

☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
 Center of Recycling Containment (if applicable): Latitude 36.256109 Longitude -107.464804 NAD83
☒ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☐ Liner type: Thickness 40 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☒ String-Reinforced
 Liner Seams: ☒ Welded ☒ Factory ☐ Other _____ Volume: 180,000 bbl Dimensions: Radius 95' x Height 12'
☐ Recycling Containment Closure Completion Date: _____

4.

Bonding:

- ☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- ☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$ _____ (work on these facilities cannot commence until bonding amounts are approved)
- ☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four
- ☒ feet Alternate. Please specify See Variance Request

6.

Signs:

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting**Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; written approval obtained from the municipality

☐ Yes ☒ No
☐ NA

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

☐ Yes ☒ No

Within a 100-year floodplain. FEMA map

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

☐ Yes ☒ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

☐ Yes ☒ No

9.


Recycling Facility and/or Containment Checklist:**Instructions:** Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☐ Design Plan - based upon the appropriate requirements.
☐ Operating and Maintenance Plan - based upon the appropriate requirements.
☐ Closure Plan - based upon the appropriate requirements.
☐ Site Specific Groundwater Data -
☐ Siting Criteria Compliance Demonstrations -
☒ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

Operator Application Certification:

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Heather Huntington Title: Permitting Technician
 Signature:  Date: 12/13/2024
 e-mail address: hhuntington@enduringresources.com Telephone: 505-636-9751

11.

OCD Representative Signature: Victoria Venegas Approval Date: 12/16/2024

Title: Environmental Specialist OCD Permit Number: 3RF-71

- ☒ OCD Conditions
☒ Additional OCD Conditions on Attachment

From: [Kayla White](#)
To: [Tafoya, Jeff](#)
Cc: [Heather Huntington](#)
Subject: Enduring Resources HCU 432H Notice of Cessation of Operations
Date: Friday, December 13, 2024 2:15:00 PM

Good afternoon Mr. Tafoya,

Enduring Resources is requesting a cessation of operations from NMOCD for the HCU 432H Water Recycling Facility. In accordance with 19.15.34.10.A NMAC, Enduring Resources is required to notify the surface owner of the request, which in this case is BLM. Please consider this email as surface owner notification of this extension request. The requested extension is in accordance with 19.15.34.13.C NMAC, *"A recycling containment shall be deemed to have ceased operations if less than twenty percent of the total fluid capacity is used every six months following the first withdrawal of produced water for use. The operator must report cessation of operations to the division."*

Enduring is requesting a cessation of operations from 01/2025 through the end of 06/2025. There have been no indications that the leak detection system integrity is compromised. Enduring will continue to operate the facility per regulations in 19.15.34 NMAC.

This email is the surface owner notification of this permit extension request.

Please let us know if you have any questions.

Thank you,

Kayla White, P.E.
CDH Consulting, LLC
720-768-3575
kwhite@CDHConsult.com



www.CDHConsult.com

HAYNES CANYON 432H AST Leak Detection

LEAK DETECTION

Date	AST 1	AST 2	AST 3	
4/24/24	0"	N/A	N/A	
5/1/24	0"	0"	0"	
5/8/24	0"	0"	0"	
5/15/24	0"	0"	0"	
5/22/24	0"	0"	0"	
5/29/24	0"	0"	0"	
6/5/24	0"	0"	0"	
6/12/24	0"	0"	0"	
6/19/24	0"	0"	0"	
6/26/24	0"	0"	0"	
7/3/24	0"	0"	0"	
7/10/24	0"	0"	0"	
7/17/24	0"	0"	0"	
7/24/24	0"	0"	0"	
7/31/24	0"	0"	0"	
8/7/24	0"	0"	0"	
8/14/24	0"	0"	0"	
8/21/24	0"	0"	0"	
8/28/24	0"	0"	0"	ALL AST'S EMPTIED FOR DE-MOB

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Monday, December 16, 2024 3:28 PM
To: Heather Huntington
Subject: 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869]
Attachments: C-147 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869]
 12.16.2024.pdf

3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869]

Good afternoon Huntington,

NMOCD has reviewed the cessation of operations extension request for 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869] received from [372286] ENDURING RESOURCES, LLC on 12/13/2024, Application ID 411854. The extension of the cessation of operations is approved with the following conditions of approval:

- 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869] extension of cessation of operations is approved from January 1, 2025, to July 1, 2025. Per NMAC 19.15.34.13.C extensions are considered for a maximum length of six months. **However, if after this 6-month period, the containment was not utilized at a minimum of 20% fluid capacity, no additional extensions would be granted, and the operator would be directed to remove all fluids and proceed with the closure requirements.**
- [372286] ENDURING RESOURCES, LLC will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [372286] ENDURING RESOURCES, LLC may maintain a higher liquid level if they choose.
- [372286] ENDURING RESOURCES, LLC will provide written notice to OCD Permitting at least 72 hours, but no more than one week, prior to the recommencement of operations. Recommencement of recycling operations means that the operator plans to resume moving fluids through the containment and discharging fluids from the containment.
 - At the resumption of recycling operations, [372286] ENDURING RESOURCES, LLC is required to perform an incremental fluid level test for containment liquid levels above the minimum liquid level.
 - [372286] ENDURING RESOURCES, LLC will fill the containment [372286] ENDURING RESOURCES, LLC will pause filling operations at every 10% of total fluid capacity above the minimum level.
 - [372286] ENDURING RESOURCES, LLC will maintain the liquid level for each 10% volume increase for 24 hours and inspect and operate the leak detection system at the end of the 24-hour period.
 - If there are no liquids present in the leak detection system, [372286] ENDURING RESOURCES, LLC may proceed to fill in the next 10% volume and repeat the process until the containment full design capacity minus the 3-feet of freeboard is reached.
 - If liquids are present, [372286] ENDURING RESOURCES, LLC should immediately cease the incremental fill test and perform a liner inspection. [372286] ENDURING RESOURCES, LLC should provide written notice of the fluid detection and liner inspection findings to OCD via OCD Online using a C-147 (long form) with the "Other" box checked and "Notice of fluid detection" written as the explanation of "Other."
 - Upon notification of fluid detection in the leak detection system, the OCD will verify the source of water (condensation versus produced water).
 - If the detected fluid is confirmed to be condensation, the OCD will issue a written approval to proceed with the incremental fluid level test.
 - If the detected fluid is confirmed to be produced water, [372286] ENDURING RESOURCES, LLC must comply with 19.15.34.13 NMAC. [372286] ENDURING RESOURCES, LLC must provide written notification to OCD Online on the actions taken to comply with 19.15.34.13 NMAC.

- After fluid is detected in the leak detection system, the incremental fill test cannot continue until after a written approval to proceed is issued by the OCD.
- [372286] ENDURING RESOURCES, LLC must submit copies of the detailed containment inspection records for the prior three months and a report detailing the incremental fluid level test process and results through the OCD Online system using a C-147 (long form) with the "Other" box checked. "Recommendation of Operations - Incremental Fluid Level Test" should be written as the explanation of "Other." Form C-147 must be completed and include information in sections 1 General Information, 2 Recycling Facility, 3 Recycling Containment, 4 Bonding, and 10 Operator Application Certification. Section 9 Recycling Facility and/or Containment Checklist may also need to be partially completed. Operators should verify that the resumption of operations notification does not result in any changes to the recycling containment operating and maintenance plan or the closure plan. If the recommendation of operations will affect the operating and maintenance plan or closure plan, operators should check those boxes in section 9 and provide updated plans or plan addendums as attachments to the C-147.
- [372286] ENDURING RESOURCES, LLC will continue to operate, maintain, and close 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869] in compliance with 19.15.34 NMAC, to include but not limited detailed inspection records, removal of trash/oil from containment, and monthly C-148 reporting (even if there is zero activity). A minimum of 3-feet freeboard must always be maintained in the recycling containment during operations.

Please let me know if you have any further questions.

Regards,

Victoria Venegas • Environmental Specialist Advanced
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | Victoria.Venegas@emnrd.nm.gov

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 411854

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 411854
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
venegas	<ul style="list-style-type: none">• 3RF-71 - HAYNES CANYON UNIT 432H FACILITY ID [fVV2410736869] extension of cessation of operations is approved from January 1, 2025, to July 1, 2025. Per NMAC 19.15.34.13.C extensions are considered for a maximum length of six months. However, if after this 6-month period, the containment was not utilized at a minimum of 20% fluid capacity, no additional extensions would be granted, and the operator would be directed to remove all fluids and proceed with the closure requirements.	12/16/2024