

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

Form C-147  
Revised October 11, 2022

<https://www.emnrd.nm.gov/ocd/ocd-e-permitting/>

## Recycling Facility and/or Recycling Containment

**Type of Facility:** ☐ Recycling Facility ☒ Recycling Containment\*

**Type of action:** ☐ Permit  
☐ Modification  
☐ Closure

☐ Registration

☒ Extension

☒ Other (explain)

**Annual Extension**

**7/18/2023-7/18/2024**

\* 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: Mewbourne Oil Company (For multiple operators attach page with information) OGRID #: 14744  
Address: 4801 Business Park, Hobbs, NM, 88241  
Facility or well name (include API# if associated with a well): Red Hills Recycling Containment South  
OCD Permit Number: 1RF-21 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr SESE Section 16 Township 26S Range 32E County: Lea  
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☐ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ 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 32.039638 Longitude -103.677335 NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☒ Liner type: Thickness 60 mil ☐ LLDPE ☒ HDPE ☐ PVC ☒ Other 40-mil HDPE Secondary Liner  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 412,793 bbl Dimensions: L 408' x W 268' x D 19'  
☐ 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 Eight foot game fence with chain link

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.

☐ Yes ☒ No  
☐ NA

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

Within the area overlying a subsurface mine.

☐ Yes ☒ No

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

Within an unstable area.

☐ Yes ☒ No

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

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).

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

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.

☐ Yes ☒ No

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

Within 500 feet of a wetland.

☐ Yes ☒ No

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

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): Jake Henkes Title: Engineer  
Signature:  Date: 4/3/2024  
e-mail address: jhenkes@mewbourne.com Telephone: 575-263-6030

11.

OCD Representative Signature: Victoria Venegas Approval Date: 04/09/2024Title: Environmental Specialist OCD Permit Number: 1RF-21

- ☒ OCD Conditions
- ☐ Additional OCD Conditions on Attachment

X

April 3, 2024

State of New Mexico

Energy, Minerals, and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

RE: 1RF-21 Mewbourne Oil Company Red Hills Recycling Containment South C-147 Annual Extension

To Whom it May Concern,

Mewbourne Oil Company submits the enclosed C-147 form, summary of leak detection, and pond inspections for Red Hills Recycling Containment South. The site plans remain the same as originally submitted on July 28<sup>th</sup>, 2017. Mewbourne Oil Company would like to seek a one-year extension to the facility. The extension request will be for 7/18/2023-7/18/2024.

Thank you,

Jake Henkes

Engineer Mewbourne Oil Company

**Venegas, Victoria, EMNRD**

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**From:** Venegas, Victoria, EMNRD  
**Sent:** Tuesday, April 9, 2024 2:13 PM  
**To:** Jake Henkes  
**Subject:** 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193]  
**Attachments:** C-147 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] 04.09.2024.pdf

**1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193]**

Good afternoon Mr. Henkes.

NMOCD has reviewed the determination of registration/permit annual extension request for 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] received from [14744] MEWBOURNE OIL CO Application ID 329503 on 04/03/2024. The registration/permit extension request is approved with the following conditions of approval:

- 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of July 18, 2023. The new registration/permit expiration date is July 18, 2024.
- [14744] MEWBOURNE OIL CO will continue to operate, maintain, and close the 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] in compliance with 19.15.34 NMAC, to include but not limited to the performance of weekly inspections regardless of fluid levels in the containment; recording of detailed inspection reports; removal of debris, foreign objects and oil from the containment; and monthly reporting of recycling and reuse of produced water, drilling fluids, and liquid oil field waste via from C-148.
- [14744] MEWBOURNE OIL CO will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [14744] MEWBOURNE OIL CO may maintain a higher liquid level if they choose.
- If less than 20% of the total fluid capacity is utilized every consecutive six months, operation of the facility is considered ceased and notification of cessation of operations should be sent electronically to [OCD Online](#). An extension to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 Long form through the [OCD Online](#) system.
- The recycling containment is bonded pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC. Water reuse and recycling from 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] is limited to wells owned or operated by [14744] MEWBOURNE OIL CO.
- A minimum of 3-feet freeboard must be maintained in the recycling containment at all times.
- [14744] MEWBOURNE OIL CO will comply with 19.15.29 NMAC Releases in the event of any release of produced water or produced water or other oil field wastes at 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193]. [14744] MEWBOURNE OIL CO will comply with all other OCD rules.
- [14744] MEWBOURNE OIL CO must perform weekly inspections of the containment and leak detection system.
- If [14744] MEWBOURNE OIL CO wishes to extend the registration/permit past the July 18, 2024, a registration/permit extension request must be submitted to OCD. Extension requests are reviewed on a case-by-case basis and evaluated on their merit. Extensions are considered for a maximum length of one year. Additional requests must be submitted to OCD through [OCD Online](#) on a Form C-147 (long form) as an Extension request and should include a formal extension request letter, a summary of the prior

registration/permit period inspection reports, and the copies of the detailed inspection records for the prior permit period. The extension request should be submitted no later than June 18, 2024.

Regards,

**Victoria Venegas** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. Artesia, NM 88210  
(575) 909-0269 | [Victoria.Venegas@emnrd.nm.gov](mailto:Victoria.Venegas@emnrd.nm.gov)  
<https://www.emnrd.nm.gov/oed/>



## Red Hills Recycling Containment South

OCD Permit Number: 1RF-21

ID: f0Y1720942193

## Facility

Date	Pond	Inspector	Pond Level, ft	Freeboard Level, ft	Tear in Liner?	Berm damage?	Oil skim?	Leak detection working?	Dead Wildlife?
2/6/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
2/13/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
2/20/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
2/27/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
3/5/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
3/12/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
3/19/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
3/26/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO
4/2/2024	Red Hills South	JE	5	15	NO	NO	NO	YES	NO

Month	Water pumped from between liners
2/1/2024	0.00
1/1/2024	0.00
12/1/2023	0.00
11/1/2023	0.00
10/1/2023	0.00
9/1/2023	0.00
8/1/2023	0.00



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 329503

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 329503
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• 1RF-21 - RED HILLS RECYCLING CONTAINMENT SOUTH FACILITY ID [fOY1720942193] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of July 18, 2023. The new registration/permit expiration date is July 18, 2024.	4/9/2024