

Devon Energy Corporation  
333 W. Sheridan Avenue  
Oklahoma City, OK 73102

August 24, 2023

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

**RE: Devon Energy Rattlesnake II Containment and Recycling Facility C-147 Extension**

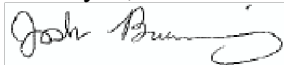
Rattlesnake II Containment and Recycling  
OCD Permit Number: 1RF-22  
Sec 16-T26S-R34E  
Lea County, NM

To Whom It May Concern:

Devon Energy respectfully submits the enclosed C-147 form and summary of monthly inspections and leak detection for the Rattlesnake II Containment (1RF-22). For original site plans and submittals, please refer to the facility's original registration application, OCD Registration number 1RF-22, received August 23rd, 2017. In accordance with NMAC 19.15.34.10 RECYCLING CONTAINMENTS, Devon Energy wishes to seek a one-year extension to the facility.

Should you have any questions or require additional information, please do not hesitate to contact me at your convenience.

Thank you,



Josh Bruening  
Devon Energy Production Company, LP  
Supervisor  
(405) 501-3236

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 April 3, 2017

## Recycling Facility and/or Recycling Containment

**Type of Facility:** ☒ Recycling Facility ☒ Recycling Containment\*  
**Type of action:** ☐ Permit ☐ Registration  
☐ Modification ☒ Extension  
☐ Closure ☐ Other (explain) \_\_\_\_\_

\* 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: Devon Energy Corporation (For multiple operators attach page with information) OGRID #: 6137  
Address: 333 West Sheridan, Oklahoma City, Oklahoma 737102-8260  
Facility or well name (include API# if associated with a well): Rattlesnake Water Treatment Facility  
OCD Permit Number: 1RF-22 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr \_\_\_\_\_ Section 16 Township 26 South Range 34 East County: Lea  
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.045434 Longitude -103.477400 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 \_\_\_\_\_ Longitude \_\_\_\_\_ NAD83  
☐ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☒ Liner type: Thickness 40 mil (secondary) 60-mil (primary) ☒ LLDPE ☒ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☒ Welded ☒ Factory ☒ Other Field Welds Volume: 350,000 bbl Dimensions: L 400 x W 450 x D 18  
☐ 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 Chain Link Game Fence

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): Josh Bruening Title: Supervisor  
Signature:  Date: 8/24/2023  
e-mail address: josh.bruening@dv.com Telephone: (405)-552-7882

11.

OCD Representative Signature: Victoria Venegas Approval Date: 08/28/2023Title: Environmental Specialist OCD Permit Number: 1RF-22

- ☒ OCD Conditions
- ☒ Additional OCD Conditions on Attachment

DATE	Fluid Level	SCADA ISSUES	BIRD DETERRENT ISSUES	FLUID IN LEAN DETECTION	FENCE ISSUES	BERM OR LINER ISSUES	SITE VISIT NOTES
1/26/2018	3.0						
2/2/2018	4.5						
2/9/2018	6.5						
2/16/2018	9.0						
2/23/2018	11.0						
3/2/2018	13.0						
3/9/2018	14.0						
3/16/2018	15.0						
3/23/2018	15.0						
3/30/2018	17.0						
4/6/2018	10.0						
4/13/2018	11.0						
4/20/2018	17.0						
4/27/2018	17.0						
5/4/2018	15.0						
5/11/2018	11.0						
5/18/2018	12.0						
5/25/2018	16.0						
6/1/2018	14.0						
6/8/2018	10.5						
6/15/2018	18.0						
6/22/2018	12.0						
6/29/2018	5.5						
7/6/2018	7.0						
7/13/2018	6.0						
7/20/2018	10.0						
7/27/2018	10.0						
8/3/2018	10.0						
8/10/2018	15.0						
8/17/2018	13.0						
8/24/2018	10.0						
8/31/2018	14.5						
9/7/2018	10.5						
11/22/2018	10.0						
11/29/2018	10.5						
12/3/2018	8.5						
12/12/2018	1.0						
12/17/2018	1.0						
12/28/2018	7.5						Bird deterrent function tested good
1/1/2019	9.0						
1/7/2019	15.0						
1/14/2019	6.0						
1/21/2019	6.0						
1/28/2019	6.0						
2/4/2019	0.0						
2/11/2019	0.0						
2/18/2019	0.0						
2/25/2019	0.0						
3/4/2019	0.0						
3/11/2019	0.0						Missing caps on stingers (added)
3/18/2019	0.0						
3/25/2019	0.0						
4/1/2019	0.0						
4/8/2019	16.5						
4/15/2019	17.0						
4/22/2019	16.0						

4/29/2019	9.0
5/6/2019	8.0
5/13/2022	1.0
5/20/2019	1.0
5/27/2019	1.0
6/3/2019	12.0
6/10/2019	13.5
6/17/2019	16.0
6/24/2019	16.0
7/1/2019	16.0
7/8/2019	16.0
8/2/2019	10.0
8/15/2019	10.0
8/23/2019	10.0
9/6/2019	10.0
9/13/2019	10.0
9/20/2019	10.0
10/3/2019	10.0
10/11/2019	10.0
10/25/2019	10.0
11/18/2019	1.5
12/13/2019	9.0
12/27/2019	0.0
1/7/2020	4.0
1/14/2020	4.0
1/31/2020	14.0
2/7/2020	4.0
2/14/2020	6.0
2/21/2020	6.0
2/28/2028	5.0
3/6/2020	4.0
3/13/2020	8.0
3/20/2020	4.0
3/27/2020	0.0
4/3/2020	3.0
4/10/2020	0.0
4/17/2020	2.0
4/24/2020	3.0
5/1/2020	4.0
5/8/2020	15.0
5/15/2020	10.0
5/22/2020	12.0
5/29/2020	2.0
6/5/2020	0.0
6/12/2020	7.0
6/19/2020	4.0
6/26/2020	4.0
7/3/2020	4.0
7/10/2020	0.0
7/17/2020	7.0
7/24/2020	7.0
7/31/2020	0.0
8/7/2020	0.0
8/14/2020	0.0
8/21/2020	0.0
8/28/2020	6.0
9/4/2020	6.0
9/11/2020	0.0

9/18/2020	0.0
9/25/2020	0.0
10/2/2020	7.0
10/9/2020	7.0
10/16/2020	10.0
10/23/2020	12.0
10/30/2020	12.0
11/6/2020	17.0
11/13/2020	15.0
11/20/2020	16.0
11/27/2020	15.0
12/4/2020	7.0
12/10/2020	7.0
12/18/2020	9.0
12/24/2020	9.0
12/31/2020	5.0
1/4/2021	10.0
1/11/2021	11.0
1/18/2021	12.0
1/25/2021	10.5
2/1/2021	10.5
2/8/2021	10.0
2/15/2021	9.5
2/26/2021	10.0
3/5/2021	10.0
3/12/2021	4.0
3/19/2021	2.0
3/26/2021	2.0
4/2/2021	4.0
4/9/2021	6.0
4/16/2021	2.0
4/23/2021	4.0
4/30/2021	6.0
5/7/2021	3.0
5/14/2021	3.0
5/21/2021	3.0
5/28/2021	2.0
6/4/2021	0.0
6/11/2021	0.0
6/18/2021	0.0
6/25/2021	0.0
7/2/2021	0.0
7/9/2021	0.0
7/16/2021	0.0
7/23/2021	0.0
7/30/2021	0.0
8/6/2021	0.0
8/13/2021	0.0
8/20/2021	3.5
8/27/2021	5.0
9/3/2021	5.0
9/10/2021	14.0
9/17/2021	14.0
9/24/2021	14.0
10/1/2021	4.0
10/8/2021	8.0
10/15/2021	4.0
10/22/2021	7.0

10/29/2021	4.0
11/5/2021	4.0
11/12/2021	1.0
11/19/2021	0.0
11/26/2021	0.0
12/3/2021	0.0
12/10/2021	9.0
12/17/2021	4.0
12/24/2021	1.0
12/31/2021	1.0
1/7/2022	1.0
1/14/2022	1.0
1/21/2022	1.0
1/28/2022	1.0
2/4/2022	1.0
2/11/2022	1.0
2/18/2022	1.0
2/25/2022	1.0
3/4/2022	1.0
3/11/2022	1.0
3/18/2022	1.0
3/25/2022	1.0
4/1/2022	1.0
4/8/2022	1.0
4/15/2022	1.0
4/22/2022	1.0
4/29/2022	1.0
5/6/2022	1.0
5/13/2022	7.0
5/20/2022	7.0
5/27/2022	1.0
6/3/2022	18.0
6/10/2022	18.0
6/17/2022	17.0
6/25/2022	7.5
7/1/2022	7.5
7/8/2022	15.0
7/15/2022	13.0
7/22/2022	1.0
7/29/2022	1.0
8/5/2022	1.0
8/12/2022	1.0
8/19/2022	1.0
9/2/2022	3.0
9/9/2022	3.0
9/16/2022	3.0
9/23/2022	3.0
9/30/2022	3.0
10/7/2022	3.0
10/14/2022	3.0
10/21/2022	18.0
10/28/2022	18.0
11/4/2022	13.0
11/11/2022	4.0
11/18/2022	3.0
11/25/2022	3.0
12/2/2022	3.0
12/9/2022	3.0



12/16/2022	10.5
12/23/2022	10.0
12/30/2022	10.0
1/6/2023	9.5
1/13/2023	17.0
1/20/2023	3.0
2/3/2023	4.0
2/10/2023	8.0
2/17/2023	12.5
2/24/2023	15.0
3/3/2023	17.5
3/10/2023	18.0
3/17/2023	18.0
3/24/2023	18.0
3/31/2023	13.0
4/7/2023	8.0
4/14/2023	4.5
4/21/2023	9.0
4/28/2023	3.0
5/5/2023	4.5
5/12/2023	3.0
5/19/2023	3.0
5/26/2023	3.0
6/2/2023	3.0
6/9/2023	3.0
6/16/2023	3.0
6/23/2023	5.0
6/30/2023	5.0
7/7/2023	5.0
7/14/2023	18.0
7/21/2023	18.0
7/28/2023	18.0
8/4/2023	17.0
8/11/2023	16.0
8/18/2023	16.0

**Venegas, Victoria, EMNRD**

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**From:** Venegas, Victoria, EMNRD  
**Sent:** Monday, August 28, 2023 9:08 AM  
**To:** Bruening, Josh  
**Subject:** 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396].  
**Attachments:** C-147 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396]  
08.28.2023.pdf

**1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396]**

Mr. Bruening,

NMOCD has reviewed the determination of registration/permit annual extension request for 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396], received from DEVON ENERGY PRODUCTION COMPANY, LP [6137] on 08/24/2023, Application ID 257188. The registration/permit extension request is approved with the following conditions of approval:

- 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of September 25, 2023. The new registration/permit expiration date is September 25, 2024.
- DEVON ENERGY PRODUCTION COMPANY, LP [6137] will continue to operate, maintain, and close the 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396] 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.
- DEVON ENERGY PRODUCTION COMPANY, LP [6137] will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. DEVON ENERGY PRODUCTION COMPANY, LP [6137] 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](#). A request to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 long form through [OCD Online](#).
- 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-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396] is limited to wells owned or operated by DEVON ENERGY PRODUCTION COMPANY, LP [6137].
- A minimum of 3-feet freeboard must be maintained in the recycling containment at all times.
- DEVON ENERGY PRODUCTION COMPANY, LP [6137] 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-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396].
- DEVON ENERGY PRODUCTION COMPANY, LP [6137] will comply with all other OCD rules.
- DEVON ENERGY PRODUCTION COMPANY, LP [6137] must perform weekly inspections of the containment and leak detection system.
- If DEVON ENERGY PRODUCTION COMPANY, LP [6137] wishes to extend the registration/permit past September 25, 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 the [OCD Online](#) system 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 August 25, 2024.

Please let me know if you have any additional questions.  
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/>



**District I**  
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Phone:(575) 393-6161 Fax:(575) 393-0720  
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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 257188

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 257188
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• 1RF-22 - RATTLESNAKE WATER TREATMENT FACILITY ID [fOY1727753396] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of September 25, 2023. The new registration/permit expiration date is September 25, 2024. • If DEVON ENERGY PRODUCTION COMPANY, LP [6137] wishes to extend the registration/permit past September 25, 2024, a registration/permit extension request must be submitted to OCD no later than August 25, 2024	8/28/2023