

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): Trionyx Containment and Recycling Facility
OCD Permit Number: 2RF-103 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr _____ Section 2 Township 25 South Range 31 East County: Eddy
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.154854 Longitude -103.741236 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 32.154854 Longitude -103.741236 NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☒ Liner type: Thickness 30 mil (secondary) 60-mil (primary) ☒ LLDPE ☒ HDPE ☐ PVC ☐ Other _____
☒ String-Reinforced
Liner Seams: ☒ Welded ☒ Factory ☒ Other Field Welds Volume: 295,000 (usable)bbl Dimensions: L 400 x W 400 x D 20
☐ 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: Completions Engineer
Signature:  Date: 9-2-2021
e-mail address: josh.bruening@dvn.com Telephone: (405) 552-7882

11.

OCD Representative Signature: Victoria Venegas Approval Date: 09/13/2021
Title: Environmental Specialist OCD Permit Number: 2RF-103 -Facility ID
[fAB1526137120],
☒ OCD Conditions _____
☒ Additional OCD Conditions on Attachment

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Tuesday, September 14, 2021 11:02 AM
To: Bruening, Josh; Menoud, Denise
Cc: Enviro, OCD, EMNRD; rmann@slo.state.nm.us
Subject: 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120],
Attachments: C-147 Annual Extension - Trionyx 09.13.2021.pdf

2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120]. Annual Extension Approved.

Mr. Bruening,

NMOCD has reviewed the determination of registration/permit extension request for 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120], received from DEVON ENERGY PRODUCTION COMPANY, LP [6137] on September 2, 2021. The registration/permit extension request is approved with the following conditions of approval:

- The 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120], is approved for one (1) year of operation from the date of the previous registration/permit expiration date of September 18, 2021. The new registration/permit expiration date is September 18, 2022.
- DEVON ENERGY PRODUCTION COMPANY, LP will continue to operate, maintain, and close the 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120], 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
- 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 via [OCD Online](#). An extension to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 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 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120], 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 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 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120]. DEVON ENERGY PRODUCTION COMPANY, LP will comply with all other OCD rules.
- DEVON ENERGY PRODUCTION COMPANY, LP must perform weekly inspections of the containment and leak detection system.
- If DEVON ENERGY PRODUCTION COMPANY, LP wishes to extend the registration/permit past the September 18, 2022, 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 August 18, 2022.

Please keep a copy of this electronic communication for your files, as no paper copy of the approval will be delivered. The signed C-147 will be saved in 2RF-103 - Trionyx Containment and Recycling Facility ID [fAB1526137120], electronic file.

Please let me know if you have any further questions or concerns,
Regards,

Victoria Venegas • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



DATE	Fluid Level	SCADA ISSUES	BIRD DETERRENT ISSUES	FLUID IN LEAN DETECTION	FENCE ISSUES	BERM OR LINER ISSUES	SITE VISIT NOTES
9/15/2015							
10/9/2015	0.0						Solar panel on leak detection not functioning
11/3/2015	0.0			X			Pulled 5 bbls of rain water from leak detect
11/13/2015	1.5			X			2 gallons removed, clear water
12/9/2015	0.0						
12/15/2016	8.0						
12/25/2015	9.0						
12/30/2015	9.0						
1/14/2016	9.0						
1/24/2016	8.0		X				Bird Deterrent not working
1/26/2016	10.5						
2/2/2016	12.0						
2/9/2016	9.0						
2/15/2016	11.5					X	Hole on rub sheet
3/23/2016	12.0						
3/30/2016	12.0						
4/4/2016	7.0						
4/13/2016	8.0						
4/20/2016	10.0						
4/28/2016	12.0						
5/5/2016	5.0						
5/12/2016	9.0						
5/19/2016	10.0						
5/23/2016	10.0						
6/1/2016	10.0						
6/8/2016	3.5						
6/15/2016	3.5						
6/29/2016	3.0						
7/7/2016	3.0						
7/14/2016	3.0						
7/20/2016	2.5						
7/27/2016	2.0						
8/5/2016	2.0						
8/8/2016	2.5						
8/26/2016	2.0						
8/30/2016	1.5						
9/8/2016	0.5						
9/13/2016	0.5						
9/20/2016	0.5						
9/28/2016	0.5						
10/1/2016	1.0						
10/10/2016	0.5						
10/19/2016	0.5						
10/27/2016	0.5						
10/31/2016	0.0						

11/21/2016	7.0
11/28/2016	6.0
12/17/2016	5.5
12/26/2016	10.5
1/2/2016	12.0
1/16/2017	9.5
1/23/2017	8.5
1/30/2017	5.5
2/6/2017	12.0
2/13/2017	7.0
2/20/2017	7.0
2/27/2017	10.5
3/6/2017	8.5
3/13/2017	8.0
3/20/2017	8.0
3/27/2017	8.0
4/3/2017	12.0
4/10/2017	12.0
4/17/2017	12.0
4/24/2017	11.0
5/5/2017	11.0
5/12/2017	11.0
5/19/2017	10.5
5/24/2017	10.0
6/2/2017	9.5
6/9/2017	9.0
6/15/2017	9.0
6/23/2017	8.5
6/30/2017	8.5
7/8/2017	8.0
7/13/2017	8.0
7/21/2017	8.0
7/27/2017	7.5
8/4/2017	7.0
8/10/2017	7.0
8/16/2017	7.0
8/24/2017	7.0
9/7/2017	7.0
9/15/2017	7.0
9/21/2017	7.0
9/29/2017	7.0
10/6/2017	6.5
10/12/2017	7.0
10/20/2017	4.0
10/24/2017	2.0
11/2/2017	2.0
11/9/2017	7.0

11/16/2017	7.0		
11/25/2017	8.5		
12/1/2017	10.0		
12/8/2017	10.5		
12/14/2017	8.0		
12/22/2017	7.0		
12/30/2017	4.0		
1/5/2018	7.0		
1/12/2018	7.5		
1/19/2018	8.0		
1/26/2018	10.0		
2/2/2018	11.0		
2/9/2018	12.0		
2/16/2018	12.0		
2/23/2018	9.0		
3/2/2018	4.5		
3/9/2018	3.0		
3/16/2018	5.0		
3/23/2018	2.5		
3/30/2018	3.0		
4/6/2018	3.5		
4/13/2018	8.0		
4/20/2018	10.0		
4/27/2018	12.0		
5/4/2018	11.5		
5/11/2018	11.0		
5/18/2018	2.5		
5/25/2018	2.0		
6/1/2018	3.5		
6/8/2018	6.0		
6/15/2018	8.5		
6/22/2018	9.5		
6/29/2018	8.0		
7/6/2018	9.0		
7/13/2018	9.0		
7/20/2018	8.0		
7/27/2018	3.0		
8/3/2018	6.0		
8/10/2018	8.0		
8/17/2018	7.0		
8/24/2018	11.0		
8/31/2018	9.0		
9/7/2018	6.0		
11/9/2018	11.5	X	Bird deterrent needs repair, waiting on parts
11/26/2018	11.5	X	Bird deterrent needs repair, waiting on parts
12/3/2018	5.0	X	Bird deterrent needs repair, waiting on parts
12/10/2018	5.0	X	Bird deterrent needs repair, waiting on parts

12/17/2018	5.0	X		Bird deterrent needs repair, waiting on parts
12/28/2018	7.5	X		Bird deterrent needs repair, waiting on parts
1/1/2019	9.0	X		Bird deterrent needs repair, waiting on parts
1/7/2019	11.5			
1/14/2019	12.0			
1/21/2019	11.5			
1/28/2019	12.0			
2/4/2019	12.0			
2/11/2019	9.0			
2/18/2019	8.0			
2/25/2029	8.0			
3/4/2019	8.0			
3/11/2019	8.0			
3/18/2019	8.0			
3/25/2019	11.0			
4/1/2019	9.0			
4/8/2019	9.5			
4/15/2019	8.0		X	Fence bent up for layflat
4/22/2019	6.0		X	Fence bent up for layflat
4/29/2019	8.5			
5/6/2019	10.0		X	Fence bent up for layflat
5/13/2019	10.0		X	Fence bent up for layflat
5/20/2019	10.0			
5/27/2019	10.0			
6/3/2019	10.0			
6/10/2019	10.0		X	Fence bent up for layflat
6/17/2019	10.0		X	Fence bent up for layflat
6/24/2019	10.0		X	Fence bent up for layflat
7/1/2019	9.5		X	Fence bent up for layflat
7/8/2019	10.0		X	Fence bent up for layflat
8/2/2019	10.5			
8/15/2019	10.5			
8/23/2019	5.0			
9/6/2019	5.0			
9/13/2019	5.0			
9/20/2019	7.0			
10/3/2019	7.0			
10/11/2019	7.0			
10/25/2019	3.0			
11/8/2019	3.0			
12/13/2019	6.0			
12/27/2019	1.0			
1/7/2020	1.5			
1/14/2020	1.5			
1/31/2020	8.0			
2/7/2020	7.0			
2/14/2020	8.0			

2/21/2020	8.0
2/28/2020	7.0
3/6/2020	9.0
3/13/2020	5.0
3/20/2020	3.0
3/27/2020	5.0
4/3/2020	3.0
4/10/2020	6.0
4/17/2020	5.0
4/24/2020	6.0
5/1/2020	3.0
5/8/2020	2.0
5/15/2020	1.0
5/22/2020	2.0
5/29/2020	2.0
6/5/2020	0.5
6/12/2020	0.5
6/19/2020	0.0
6/26/2020	7.0
7/3/2020	8.0
7/10/2020	5.0
7/17/2020	3.0
7/24/2020	3.0
7/31/2020	10.0
8/7/2020	11.0
8/14/2020	11.0
8/21/2020	5.0
8/28/2020	5.0
9/4/2020	5.0
9/11/2020	0.0
9/18/2020	0.0
9/25/2020	0.0
10/2/2020	1.5
10/9/2020	0.0
10/16/2020	0.0
10/23/2020	0.0
10/30/2020	0.0
11/6/2020	0.0
11/13/2020	0.0
11/20/2020	0.0
11/27/2020	0.0
12/4/2020	4.0
12/11/2020	10.0
12/24/2020	10.0
12/28/2020	0.0
12/31/2020	0.0
1/4/2021	0.0

1/11/2021	0.0
1/18/2021	0.0
1/25/2021	0.0
2/1/2021	0.0
2/8/2021	0.0
2/15/2021	0.0
2/26/2021	0.0
3/5/2021	0.0
3/12/2021	0.0
3/19/2021	0.0
3/26/2021	0.0
4/2/2021	0.0
4/9/2021	0.0
4/16/2021	0.0
4/23/2021	0.0
4/30/2021	0.0
5/7/2021	2.0
5/14/2021	0.0
5/21/2021	0.0
5/28/2021	0.0
6/4/2021	11.0
6/11/2021	11.0
6/18/2021	11.0
6/25/2021	11.0
7/2/2021	6.0
7/9/2021	5.5
7/16/2021	8.0
7/23/2021	8.0
7/30/2021	3.0
8/6/2021	5.0
8/13/2021	4.0
8/20/2021	10.0
8/27/2021	11.0

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 46064

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 46064
	Action Type: [C-147] Water Recycle Short (C-147S)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the determination of registration/permit extension request for 2RF-103 - Trionyx Containment and Recycling Facility ID [FAB1526137120], received from DEVON ENERGY PRODUCTION COMPANY, LP [6137] on September 2, 2021. The registration/permit extension request is approved for one (1) year of operation from the date of the previous registration/permit expiration date of September 18, 2021. The new registration/permit expiration date is September 18, 2022.	9/14/2021