



P.O. Box 2267, Midland, Texas 79702
Phone: (432) 848-9133

December 8, 2022

Ms. Victoria Venegas, Environmental Specialist
EMNRD- Oil Conservation Division
506 W. Texas Artesia, NM 88210

Re: EOG Galaxy Pit 1RF-25-0

Dear Ms. Venegas:

Thank you for allowing EOG to continue to promote water reuse in the State of New Mexico for our operations. EOG plans to continue active completion operations near this pit location well into 2024 and would like to formally request an extension to our currently approved permit.

Sincerely,

Patricia Donald

Patricia Donald
Regulatory Specialist

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 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: EOG Resources, Inc. (For multiple operators attach page with information) OGRID #: 7377
Address: 5509 Champions Dr. Midland, Texas 79706
Facility or well name (include API# if associated with a well): Galaxy Reuse Water Recycling Facility and Containment Pit
OCD Permit Number: IRF-25-0 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr D Section 16 Township 24S Range 33E County: LEA
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Recycling Facility:
Location of recycling facility (if applicable): Latitude 32.2214792 Longitude -103.5825816 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 32.2214836 Longitude -103.5808435 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 _____
 String-Reinforced
Liner Seams: Welded Factory Other _____ Volume: 1MM bbl Dimensions: L 600 x W 600 x D 16
 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 Please see attached variance request detail on original approved permit dated 01/18/2018

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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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): Patricia Donald Title: Regulatory Specialist
 Signature: *Patricia Donald* Date: 12/02/2022
 e-mail address: patricia_donald@eogresources.com Telephone: 432-488-7684

11. **OCD Representative Signature:** *Victoria Venegas* Approval Date: 12/08/2022
 Title: Environmental Specialist OCD Permit Number: 1RF-25

OCD Conditions _____
 Additional OCD Conditions on Attachment _____

Date	Visual inspection conducted:	Notes on Issue found (if any):
January	Y/N	
Week 1: Dec 31- Jan 6	N/A	
Week 2: Jan 7-13	N/A	
Week 3: Jan 14-20	N/A	
Week 4: Jan 21-27	N/A	
February	Y/N	
Week 1: Jan 28-Feb 3	N/A	
Week 2: Feb 4-10	N/A	
Week 3: Feb 11-17	N/A	
Week 4: Feb 18-24	N/A	
March	Y/N	
Week 1: Feb 25- Mar 3	N/A	
Week 2: Mar 4-10	N/A	
Week 3: Mar 11-17	N/A	
Week 4: Mar 18-24	N/A	
Week 5: Mar 25-31	N/A	
April	Y/N	
Week 1: April 1-7	N/A	
Week 2: April 8-14	N/A	
Week 3: April 15-21	N/A	
Week 4: April 22-28	N/A	
May	Y/N	
Week 1: April 29-May 5	N	
Week 2: May 6--12	Y	
Week 3: May 13-19	N	
Week 4: May 20-26	N	
Week 5: May 27-June 2	Y	
June	Y/N	
Week 1: June 3-9	N	
Week 2: June 10-16	Y	
Week 3: June 17-23	N	
Week 4: June 24-30	N	
July	Y/N	
Week 1: July 1-7	N	
Week 2: July 8-14	N	
Week 3: July 15-21	N	
Week 4: July 22-28	N	
August	Y/N	
Week 1: July 29-Aug4	N	
Week 2: Aug 5-11	N	
Week 3: Aug 12-18	N	
Week 4: Aug 19-25	Y	
Week 5: Aug 26-Sept 1	N	
September	Y/N	
Week 1: Sept 2-8	N	
Week 2: Sept 9-15	N	

Week 3: Sept 16-22	N	
Week 4: Sept 23-29	N	
October	Y/N	
Week 1: Sept 30-Oct 6	N	
Week 2: Oct 7-13	N	
Week 3: Oct 14-20	N	
Week 4: Oct 21-27	N	
Week 5: Oct 28-Nov 3	N	
November	Y/N	
Week 1: Nov 4-10	N	
Week 2: Nov 11-17	N	
Week 3: Nov 18-24	N	
Week 4: Nov 25- Dec 1	N	
December	Y/N	
Week 1: Dec 2-8	N	
Week 2: Dec 9-15	Y	
Week 3: Dec 16-22	N	
Week 4: Dec 23-29	Y	

Date	Visual inspection conducted:	Notes on Issue found (if any):
January	Y/N	
Week 1: Dec 30- Jan 5	N	
Week 2: Jan 6-12	N	
Week 3: Jan 13-19	Y	
Week 4: Jan 20-26	Y	
February	Y/N	
Week 1: Jan 27-Feb 2	N	
Week 2: Feb 3-9	Y	
Week 3: Feb 10-16	N	
Week 4: Feb 17-23	Y	
March	Y/N	
Week 1: Feb 24- Mar 2	Y	
Week 2: Mar 3-9	Y	
Week 3: Mar 10-16	Y	
Week 4: Mar 17-23	Y	
Week 5: Mar 24-30	Y	
April	Y/N	
Week 1: March 31-April 6	Y	
Week 2: April 7-13	Y	
Week 3: April 14-20	Y	
Week 4: april 21-27	Y	
May	Y/N	
Week 1: April 28-May 4	Y	
Week 2: May 5-11	N	
Week 3: May 12-18	Y	
Week 4: May 19-25	Y	
Week 5: May 26-June 1	Y	
June	Y/N	
Week 1: June 2-8	Y	
Week 2: June 9-15	Y	
Week 3: June 16-22	Y	
Week 4: June 23-29	Y	
July	Y/N	
Week 1: June 30-July 6	Y	
Week 2: July 7-13	Y	
Week 3: July 14-20	Y	
Week 4: July 21-27	Y	
August	Y/N	
Week 1: July 28-Aug 3	Y	
Week 2: Aug 4-10	Y	
Week 3: Aug 11-17	Y	
Week 4: Aug 18-24	Y	
Week 5: Aug 25-Aug 31	Y	
September	Y/N	
Week 1: Sept 1-7	N	
Week 2: Sept 8-14	N	

Week 3: Sept 15-21	N	
Week 4: Sept 22-28	N	
October	Y/N	
Week 1: Sept 29-Oct 5	N	
Week 2: Oct 6-12	N	
Week 3: Oct 13-19	N	
Week 4: Oct 20-26	Y	
Week 5: Oct 27-Nov 2	Y	
November	Y/N	
Week 1: Nov 3-9	Y	
Week 2: Nov 10-16	Y	
Week 3: Nov 17-23	N	
Week 4: Nov 24- Nov 30	N	
December	Y/N	
Week 1: Dec 1-Dec 7	Y	
Week 2: Dec 8-14	N	
Week 3: Dec 15-21	N	
Week 4: Dec 22-28	Y	

Date	Visual inspection conducted:	Notes on Issue found (if any):
January	Y/N	
Week 1: Dec 29- Jan 4	Y	
Week 2: Jan 5-11	Y	
Week 3: Jan 12-18	N	
Week 4: Jan 19-25	Y	
February	Y/N	
Week 1: Jan 26-Feb 1	N	
Week 2: Feb 2-8	N	
Week 3: Feb 9-15	Y	
Week 4: Feb 16-22	Y	
Week 5: Feb 23- Feb 29	Y	
March	Y/N	
Week 1: Mar 1-7	N	
Week 2: Mar 8-14	N	
Week 3: Mar 15-21	N	
Week 4: Mar 22-28	Y	
April	Y/N	
Week 1: March 29-April 4	N	
Week 2: April 5-11	Y	
Week 3: April 12-18	Y	
Week 4: april 19-25	Y	
Week 5: April 26-May 2	Y	
May	Y/N	
Week 1: May 3-9	Y	
Week 2: May 10-16	Y	
Week 3: May 17-23	Y	
Week 4: May 24-30	Y	
June	Y/N	
Week 1: May 31-Jun 6	Y	
Week 2: June 7-13	Y	
Week 3: June 14-20	Y	
Week 4: June 21-27	Y	
Week 5: June 28- Jul 4	Y	
July	Y/N	
Week 1: July 5-July 11	Y	
Week 2: July 12-18	Y	
Week 3: July 19-25	Y	
Week 4: July 26-Aug 1	Y	
August	Y/N	
Week 1: Aug 2-Aug 8	Y	
Week 2: Aug 9-15	Y	
Week 3: Aug 16-22	Y	
Week 4: Aug 23-29	Y	
Week 5: Aug 30-Sept 5	N	
September	Y/N	
Week 1: Sept 6-12	Y	

Week 2: Sept 13-19	N	
Week 3: Sept 20-26	N	
Week 4: Sept 27-Oct 3	N	
October	Y/N	
Week 1: Oct 4-Oct 10	Y	
Week 2: Oct 11-17	N	
Week 3: Oct 18-24	Y	
Week 4: Oct 25-31	Y	
November	Y/N	
Week 1: Nov 1-7	Y	
Week 2: Nov 8-14	N	
Week 3: Nov 15-21	N	
Week 4: Nov 22- Nov 28	N	
December	Y/N	
Week 1: Nov 29-Dec 5	N	
Week 2: Dec 6-12	N	
Week 3: Dec 13-19	N	
Week 4: Dec 20-26	Y	

Date	Visual inspection conducted:	Notes on Issue found (if any):
January	Y/N	
Week 1: Dec 27- Jan 2	Y	
Week 2: Jan 3-9	N	
Week 3: Jan 10-16	Y	
Week 4: Jan 17-23	Y	
Week 5: Jan 24-30	N	
February	Y/N	
Week 1: Jan 31-Feb 6	N	
Week 2: Feb 7-13	N	
Week 3: Feb 14-20	N	
Week 4: Feb 21-27	N	
Week 5: Feb 28- March 6	N	
March	Y/N	
Week 1: Mar 7-13	N	
Week 2: Mar 14-20	Y	
Week 3: Mar 21-27	N	
Week 4: Mar 28-April 3	N	
April	Y/N	
Week 1: March 29-April 4	N	
Week 2: April 4-10	Y	
Week 3: April 11-17	Y	
Week 4: April 18-24	N	
Week 5: April 25-April 31	N	
May	Y/N	
Week 1: May 2-8	Y	
Week 2: May 9-15	Y	
Week 3: May 16-22	Y	
Week 4: May 23-29	Y	
June	Y/N	
Week 1: May 30-Jun 5	Y	
Week 2: June 6-12	Y	
Week 3: June 13-19	Y	
Week 4: June 20-26	Y	
Week 5: June 27- Jul 3	Y	
July	Y/N	
Week 1: July 4-July 10	Y	
Week 2: July 11-17	Y	
Week 3: July 18-24	Y	
Week 4: July 25-July 31	Y	
August	Y/N	
Week 1: Aug 1-7	Y	
Week 2: Aug 8-14	Y	
Week 3: Aug 15-21	Y	
Week 4: Aug 22-28	Y	
Week 5: Aug 29-Sept 4	Y	
September	Y/N	

Week 1:Sept 5-11	Y	
Week 2: Sept 12-18	Y	
Week 3: Sept 19-25	Y	
Week 4: Sept 26-Oct 2	Y	
October	Y/N	
Week 1: Oct 3-Oct 9	Y	
Week 2: Oct 10-16	Y	
Week 3:Oct 17-23	Y	
Week 4: Oct 24-30	Y	
November	Y/N	
Week 1: Oct 31-Nov 6	Y	
Week 2: Nov 7-13	Y	
Week 3: Nov 14-20	N	
Week 4: Nov 21- Nov 27	y	
December	Y/N	
Week 1:Nov 28-Dec 4	Y	
Week 2: Dec 5-11	Y	
Week 3:Dec 12-18	Y	
Week 4: Dec 19-25	Y	
Week 5: Dec 26-Jan 1	Y	

Week Starting Date	Visual inspection conducted:
1/2/2022	Y
1/9/2022	Y
1/16/2022	Y
1/23/2022	Y
1/30/2022	Y
2/6/2022	Y
2/13/2022	Y
2/20/2022	Y
2/27/2022	Y
3/6/2022	Y
3/13/2022	Y
3/20/2022	Y
3/27/2022	Y
4/3/2022	Y
4/10/2022	Y
4/17/2022	Y
4/24/2022	Y
5/1/2022	Y
5/8/2022	Y
5/15/2022	Y
5/22/2022	Y
5/29/2022	Y
6/5/2022	Y
6/12/2022	Y
6/19/2022	Y
6/26/2022	Y
7/3/2022	Y
7/10/2022	Y
7/17/2022	Y
7/24/2022	Y
7/31/2022	Y
8/7/2022	Y
8/14/2022	Y
8/21/2022	Y
8/28/2022	Y
9/4/2022	Y
9/11/2022	Y
9/18/2022	Y
9/25/2022	Y
10/2/2022	Y
10/9/2022	Y
10/16/2022	Y
10/23/2022	Y
10/30/2022	Y
11/6/2022	Y
11/13/2022	Y

11/20/2022	Y
11/27/2022	Y
12/4/2022	

Leak detect needs to be replcaced; Fence Issue (pole out of place/bendt) need to clen around location.
Leak detect needs to be replcaced; Fence Issue (pole out of place/bendt) need to clen around location.

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, December 8, 2022 11:35 AM
To: Patricia Donald
Subject: 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871]
Attachments: C-147 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT ID [fOY1801852871].pdf

1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871]

Good afternoon Ms. Donald,

NMOCD has reviewed the determination of registration/permit annual extension request for **1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871]** received from [7377] EOG RESOURCES INC on December 05, 2022. The registration/permit annual extension request is approved with the following conditions of approval:

- 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of January 2, 2023. The new registration/permit expiration date is January 2, 2024.
- [7377] EOG RESOURCES INC will continue to operate, maintain, and close the 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871] 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.
- **NMOCD has updated Form C-148. The new Form C-148 can be found at: <https://www.emnrd.nm.gov/ocd/wp-content/uploads/sites/6/Revised-C-148-Form-January-2022.pdf>**
- [7377] EOG RESOURCES INC will maintain a liquid level in the containment that is at least equal to the weight of the liner plus 20%. [7377] EOG RESOURCES INC 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 form through the [OCD Online](#). An extension to extend the cessation of operations, not to exceed six months, may be submitted using a C-147 form via [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-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871] is limited to wells owned or operated by [7377] EOG RESOURCES INC.
- A minimum of 3-feet freeboard must be maintained in the recycling containment at all times.
- [7377] EOG RESOURCES INC 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-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871]. [7377] EOG RESOURCES INC will comply with all other OCD rules.
- [7377] EOG RESOURCES INC must perform weekly inspections of the containment and leak detection system.
- If [7377] EOG RESOURCES INC wishes to extend the registration/permit past the January 2, 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 December 2, 2024.
- **NMOCD has updated Form C-147. The new Form C-147 can be found at: https://www.emnrd.nm.gov/ocd/wp-content/uploads/sites/6/Updated_C-147LongFINAL4-3-17.pdf**

Please let me know if you have any additional questions.

Regards,

Victoria Venegas • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
(575) 909-0269 | Victoria.Venegas@emnrn.nm.gov
<https://www.emnrn.nm.gov/oed/>



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 163631

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 163631
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the determination of registration/permit annual extension request for 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871] received from [7377] EOG RESOURCES INC on December 05, 2022. The registration/permit annual extension request is approved with the following conditions of approval: • 1RF-25 - GALAXY REUSE WATER FACILITY AND CONTAINMENT PIT, ID [fOY1801852871] is approved for one (1) year of operation from the date of the previous registration/permit expiration date of January 2, 2023. The new registration/permit expiration date is January 2, 2024.	12/8/2022