

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 Recycling operations to commence on
☐ Modification ☐ Extension 8/1/2024.
☐ 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: Crockett Operating LLC (For multiple operators attach page with information) OGRID #: 331255
Address: 1101 N. Little School Rd. Arlington TX 76017
Facility or well name (include API# if associated with a well): Vader Frac Pits
OCD Permit Number: 1RF-489 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr NE/4, SE/4 Section 25 Township 13 South Range 37 East County: Lea County
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 33.161503° Longitude -103.146374° 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 33.161503° Longitude -103.146374° NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☐ Liner type: Thickness 60/40 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 510,256 bbl Dimensions: L 540 x W 440 x D 24
☐ 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 \$ 200,790 (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 8-ft tall 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.

- 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): Gayle Foord Title: Regulatory Manager
Signature:  Date: 07/29/2024
e-mail address: Gayle.Foord@CrockettOps.com Telephone: 713-306-9706

11.

OCD Representative Signature: Victoria Venegas Approval Date: 08/05/2024

Title: Environmental Specialis OCD Permit Number: 1RF-489

- ☒ OCD Conditions _____
☐ Additional OCD Conditions on Attachment _____



Crockett Operating, LLC
1101 N. Little School Rd
Arlington, TX 76017
(817) 992-0998

July 29, 2024

Ms. Victoria Venegas
New Mexico EMNRD
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Recommencement of operations for 1RF-489 - VADER FRAC PITS FACILITY ID [fVV2219555299]

Ms. Venegas,

[331255] Crockett Operating, LLC will start recommencement of operations on 08/01/2024 for 1RF-489 - VADER FRAC PITS FACILITY ID [fVV2219555299]. Please let me know if you need more information. You can reach me at 713-306-9706 or gayle.foord@crockettops.com.

Warm regards,

A handwritten signature in black ink that reads 'Gayle Foord'.

Gayle Foord
Regulatory Manager
gayle.foord@crockettops.com
713-306-9706

Weekly Inspection Log Sheet - In Ground Containment

Inspect weekly while fluids present (>1 foot); Monthly when fluids <1 foot							
Inspection Date	Describe any 1. Tear of Liner 2. Break in Berms and Run-on of 3. Dead Wildlife 4. Oil on Fluid			Report Fluid Freeboard	Leak Detection System Functioning (yes/no)	Comments	
7/2/2024	X	None Observed	Yes Describe	4.3	Yes		
7/9/2024	X	None Observed	Yes Describe	4.4	Yes		
7/16/2024	X	None Observed	Yes Describe	4.6	Yes		
7/23/2024	X	None Observed	Yes Describe	4.6	Yes		
7/30/2024		None Observed	Yes Describe				
8/6/2024		None Observed	Yes Describe				
8/13/2024		None Observed	Yes Describe				
8/20/2024		None Observed	Yes Describe				
8/27/2024		None Observed	Yes Describe				
9/3/2024		None Observed	Yes Describe				
9/10/2024		None Observed	Yes Describe				
9/17/2024		None Observed	Yes Describe				
9/24/2024		None Observed	Yes Describe				
		None Observed	Yes Describe				
		None Observed	Yes Describe				
		None Observed	Yes Describe				

Weekly inspections consist of:

- reading and recording the fluid height of staff gauges,
- recording any evidence that the pond surface shows visible oil,
- visually inspecting the containment's exposed liners
- checking the leak detection system for any evidence of a loss of integrity of the primary liner.
- inspect diversion ditches and berms around the containment to check for erosion and collection of surface water run-on.
- inspect the leak detection system for evidence of damage or malfunction and monitor for leakage.

Monthly, the operator will:

- Inspect the containment for dead migratory birds and other wildlife. Within 30 days of discovery, report the discovery of dead migratory birds or other wildlife to the appropriate wildlife agency and to the division district office in order to facilitate assessment and implementation of measures to prevent incidents from reoccurring.
- Report to the division the total volume of water received for recycling, with the amount of fresh water received listed separately, and the total volume of water leaving the facility for disposition by use on form C-148.
- Record sources and disposition of all recycled water.

Weekly Inspection Log Sheet - In Ground Containment

Inspect weekly while fluids present (>1 foot); Monthly when fluids <1 foot							
Inspection Date	Describe any 1. Tear of Liner 2. Break in Berms and Run-on of 3. Dead Wildlife 4. Oil on Fluid			Report Fluid Freeboard	Leak Detection System Functioning (yes/no)	Comments	
4/2/2024	X	None Observed	Yes Describe	2.9	Yes		
4/9/2024	X	None Observed	Yes Describe	3.1	Yes		
4/16/2024	X	None Observed	Yes Describe	3.5	Yes		
4/23/2024	X	None Observed	Yes Describe	3.5	Yes		
4/30/2024	X	None Observed	Yes Describe	3.5	Yes		
5/7/2024	X	None Observed	Yes Describe	3.7	Yes		
5/14/2024	X	None Observed	Yes Describe	3.6	Yes		
5/21/2024	X	None Observed	Yes Describe	3.7	Yes		
5/28/2024	X	None Observed	Yes Describe	3.9	Yes		
6/4/2024	X	None Observed	Yes Describe	4.0	Yes		
6/11/2024	X	None Observed	Yes Describe	4.1	Yes		
6/18/2024	X	None Observed	Yes Describe	4.1	Yes		
6/25/2024	X	None Observed	Yes Describe	4.2	Yes		
		None Observed	Yes Describe				
		None Observed	Yes Describe				
		None Observed	Yes Describe				

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1/2/2024	X	None Observed	Yes Describe	2.6	Yes		
1/9/2024	X	None Observed	Yes Describe	2.6	Yes		
1/16/2024	X	None Observed	Yes Describe	2.6	Yes		
1/23/2024	X	None Observed	Yes Describe	2.6	Yes		
1/30/2024	X	None Observed	Yes Describe	2.6	Yes		
2/6/2024	X	None Observed	Yes Describe	2.5	Yes		
2/13/2024	X	None Observed	Yes Describe	2.5	Yes		
2/20/2024	X	None Observed	Yes Describe	2.6	Yes		
2/27/2024	X	None Observed	Yes Describe	3.0	Yes		
3/5/2024	X	None Observed	Yes Describe	2.8	Yes		
3/12/2024	X	None Observed	Yes Describe	3.0	Yes		
3/19/2024	X	None Observed	Yes Describe	2.8	Yes		
3/26/2024	X	None Observed	Yes Describe	2.8	Yes		
		None Observed	Yes Describe				
		None Observed	Yes Describe				
		None Observed	Yes Describe				

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- reading and recording the fluid height of staff gauges,
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- checking the leak detection system for any evidence of a loss of integrity of the primary liner.
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10/10/2023	X	None Observed		Yes Describe	4.8	Yes	
10/17/2023	X	None Observed		Yes Describe	3.9	Yes	
10/24/2023	X	None Observed		Yes Describe	3.2	Yes	
10/31/2023	X	None Observed		Yes Describe	2.6	Yes	
11/7/2023	X	None Observed		Yes Describe	2.6	Yes	Wells are shut in until pit levels are addressed.
11/14/2023	X	None Observed		Yes Describe	2.6	Yes	
11/21/2023	X	None Observed		Yes Describe	2.6	Yes	
11/28/2023	X	None Observed		Yes Describe	2.6	Yes	
12/5/2023	X	None Observed		Yes Describe	2.6	Yes	
12/12/2023	X	None Observed		Yes Describe	2.6	Yes	
12/19/2023	X	None Observed		Yes Describe	2.6	Yes	
12/26/2023	X	None Observed		Yes Describe	2.6	Yes	

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6/20/2023	X	None Observed	Yes Describe	7.5	Yes		
6/27/2023	X	None Observed	Yes Describe	7	Yes		
7/4/2023	X	None Observed	Yes Describe	6.8	Yes		
7/11/2023	X	None Observed	Yes Describe	6.4	Yes		
7/18/2023	X	None Observed	Yes Describe	6	Yes		
7/25/2023	X	None Observed	Yes Describe	6.5	Yes	Started frac on Anakin 1H	
8/1/2023	X	None Observed	Yes Describe	11.5	Yes		
8/8/2023	X	None Observed	Yes Describe	11.8	Yes		
8/15/2023	X	None Observed	Yes Describe	11.6	Yes		
8/22/2023	X	None Observed	Yes Describe	12	Yes		
8/29/2023	X	None Observed	Yes Describe	10.9	Yes		
9/5/2023	X	None Observed	Yes Describe	9.4	Yes		
9/12/2023	X	None Observed	Yes Describe	8.1	Yes		
9/19/2023	X	None Observed	Yes Describe	7.8	Yes		
9/26/2023	X	None Observed	Yes Describe	6.6	Yes		
10/3/2023	X	None Observed	Yes Describe	5.8	Yes		

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2/28/2023	X	None Observed	Yes Describe	15.5	Yes		
3/7/2023	X	None Observed	Yes Describe	14.9	Yes		
3/14/2023	X	None Observed	Yes Describe	14.2	Yes		
3/21/2023	X	None Observed	Yes Describe	13.6	Yes		
3/28/2023	X	None Observed	Yes Describe	13.1	Yes		
4/4/2023	X	None Observed	Yes Describe	12.7	Yes		
4/11/2023	X	None Observed	Yes Describe	12.3	Yes		
4/18/2023	X	None Observed	Yes Describe	11.8	Yes		
4/25/2023	X	None Observed	Yes Describe	11.4	Yes		
5/2/2023	X	None Observed	Yes Describe	11	Yes		
5/9/2023	X	None Observed	Yes Describe	10.5	Yes		
5/16/2023	X	None Observed	Yes Describe	10	Yes		
5/23/2023	X	None Observed	Yes Describe	9.5	Yes		
5/30/2023	X	None Observed	Yes Describe	8.7	Yes		
6/6/2023	X	None Observed	Yes Describe	8.3	Yes		
6/13/2023	X	None Observed	Yes Describe	7.9	Yes		

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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 368105

CONDITIONS

Operator: Crockett Operating, LLC 1101 N. Little School Rd Arlington, TX 76017	OGRID: 331255
	Action Number: 368105
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	8/5/2024