

Page 1 of 31  
Received by OCD: 7/22/2021 5:13:19 PM  
Released to Imaging: 7/28/2021 10:10:26 AM

District I  
625 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  
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: Enduring Resources, LLC (For multiple operators attach page with information) OGRID #: 372286  
Address: 200 Energy Court, Farmington, NM 87401  
Facility or well name (include API# if associated with a well): W Escavada Unit 300H (30-043-21303)  
OCD Permit Number: 3RF-42 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr A Section 17 Township 22N Range 7W County: Sandoval  
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 36.143847 Longitude -107.589762 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: 8/30/2019

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 36.143847 Longitude -107.589762 NAD83  
☒ For multiple or additional recycling containments, attach design and location information of each containment  
☒ Lined ☐ Liner type: Thickness 45 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☒ String-Reinforced  
Liner Seams: ☒ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: 40,280 bbl Dimensions: Radius 80' x Height 10'  
☒ Recycling Containment Closure Completion Date: 8/30/2019

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**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 \_\_\_\_\_

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.**

**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

**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): Alex B Campbell Title: Vice President  
Signature: [Signature] Date: 7/22/2021  
e-mail address: ACampbell@enduringresources.com Telephone: (303) 350-5107

11.

OCD Representative Signature: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_ OCD Permit Number: \_\_\_\_\_

- ☐ OCD Conditions \_\_\_\_\_
- ☐ Additional OCD Conditions on Attachment \_\_\_\_\_

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Name (Print): Alex B Campbell Title: Vice President

Signature:  Date: 7/22/2021

e-mail address: ACampbell@enduringresources.com Telephone: (303) 350-5107

11.

OCD Representative Signature: Victoria Venegas Approval Date: 07/27/2021

Title: Environmental Specialist OCD Permit Number: 3RF-42

☐ OCD Conditions

☐ Additional OCD Conditions on Attachment

**From:** [Heather Riley](#)  
**To:** [Joyner, Ryan N](#); [Sigler, Mitchell V](#)  
**Cc:** [Gabrielle Riley](#); [Mindy Paulek](#); [Jones, Christopher](#); [Chris Jones](#); [HEATHER SIPE](#)  
**Subject:** WEU #300H; 30-043-21303 - Recycling Facility/Recycling Containment - Closure  
**Date:** Thursday, July 22, 2021 5:06:00 PM  
**Attachments:** [3RF-42 - WEU 300HClosureAttachments.pdf](#)  
[3RF-42 C147L WEU#300.pdf](#)

---

Good afternoon Ryan and Mitch,

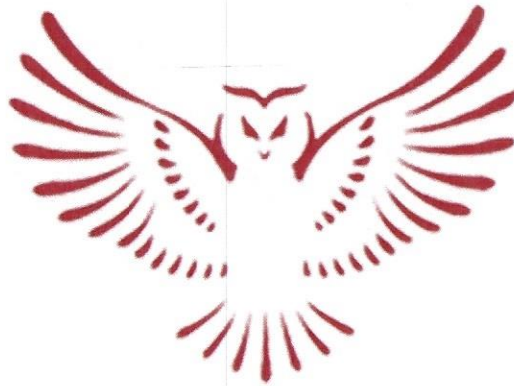
The purpose of this email is to comply with NMOCD rule 19.15.34 requirement on the operator to notify the surface owner when a C-147 form is filed with the NMOCD. Attached is a copy of a C-147L, along with a closure report, for the WEU #300 water recycling facility and containment. These documents will be uploaded to the NMOCD efilng system today.

Please do not hesitate to contact me should you have any questions.

Heather Riley  
Sr. Project Manager  
Energy Inspection Services, LLC  
(970) 749-8747

## **Closure Documentation**

### **W Escavada Unit 300H Water Recycle Facility**



**Enduring Resources, LLC**  
**200 Energy Court**  
**Farmington, New Mexico 87401**

***Prepared by:***  
**James McDaniel**  
**HSE Supervisor**

## Introduction

This closure plan is designed to meet the requirements of NMAC 19.15.34.14, which outlines the requirements for closure of a produced water recycling containment. Enduring Resources, LLC (Enduring) will perform the following actions upon final closure of this produced water recycling containment.

## Closure Plan

1. **Upon cessation of operations (Defined as the use of less than 20% of the pond's total fluid capacity), Enduring will remove all fluids within 60 days of the official date of cessation.**  
The final date of use was July 12, 2019. All fluids were removed from the containment on July 12, 2019.
2. **Enduring will close the produced water containment within six (6) months from the official date of cessation. If Enduring will require more than 6 months to complete closure activities, an extension request will be filed prior to the six (6) month time limit for closure.**  
The containment was disassembled, and closure sampling was conducted on August 20, 2019.
3. **Closure activities will consist of the following:**
  - a. **Removal of all containment contents**  
All containments were removed on July 12, 2019.
  - b. **Removal of liners and associated leak detection equipment for disposal at a division approved facility.**  
All liner and leak detection materials were removed and disposed of at Bondad Landfill.
  - c. **Removal of all equipment associated with the continued operation of the recycling containment.**  
All equipment associated with the continued operation of the recycling containment has been removed from the site.
  - d. **A 5-point composite soil sample will be collected in the containment area under the location of the liner, and the sample will be analyzed for the constituents listed in Table I.**  
One (1) 5-point composite was collected beneath the location of each of the three (3) above grade storage tanks that made up the recycling facility on 8/20/2019; see attached *Field Notes*. Each sample was analyzed for the constituents listed in Table I.
  - e. **Additional grab samples of any obvious wet or stained areas will be collected and analyzed for the constituents listed in Table I, in addition to the 5-point composite sample.**  
No obvious wet or stained areas were observed during the sampling event that occurred on 8/20/2019; see attached *Field Notes*.
  - f. **If the closure sample(s) collected return results equal to or less than the values listed in Table I for sites with groundwater from 51-100' below ground surface, closure will be completed.**  
All three (3) 5-point composite samples collected returned results below the limits listed in Table I for sites with groundwater from 51'-100' below ground surface; see attached *Results Table*.
  - g. **If the closure sample(s) collected return results above the values listed in Table I, Enduring will report the elevated sample values to the NMOCD, and additional delineation may be required at that time.**  
All three (3) 5-point composite samples collected returned results below the limits listed in Table I for sites with groundwater from 51'-100' below ground surface; see attached *Results Table*.



4. The containment will be an above ground AST on an existing pad that will be used for future oil and gas development. The location will not require backfill or reclamation at this time, as the pad will be used for the continued development of the Enduring lease in this area.

The pad will be used for future oil and gas development.

5. Within 60 days of final closure completion, Enduring will submit a closure report on form C-147, including required attachments, to document all closure activities including sampling results. The closure report will certify that all information in the report and attachments is correct and that Enduring has complied with all applicable closure requirements and conditions specified in division rules or directives.
- This closure report has been completed within 60 days of the final closure completion date, which is 8/30/2019.

Table I			
Closure Criteria for Recycling Containments			
Depth below bottom of containment to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
51 feet - 100 feet	Chloride	EPA 300.0	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
> 100 feet	Chloride	EPA 300.0	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

\* Or other test methods approved by the division.

\*\* Numerical limits or natural background level, whichever is greater.

[19.15.34.14 NMAC - N, 3/31/15]





Results Table - WEU 300H

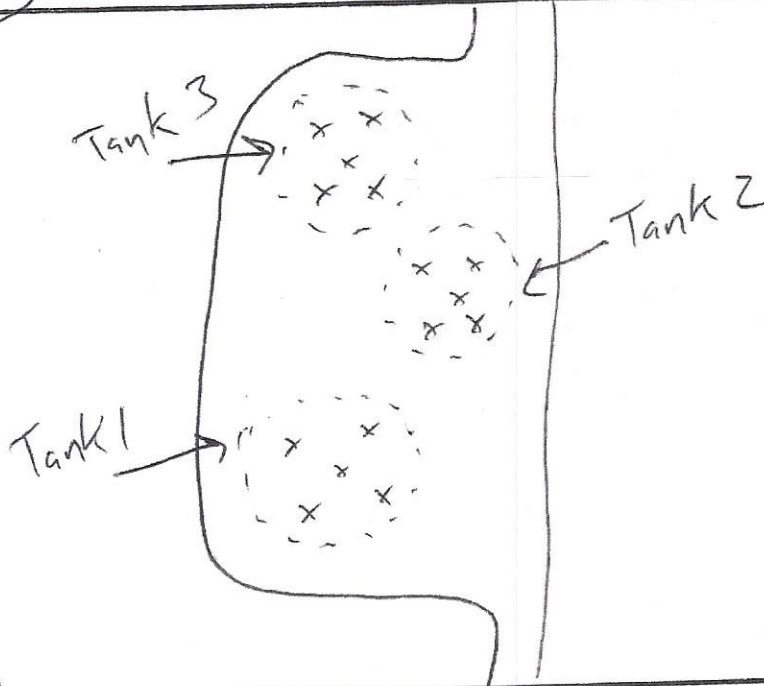
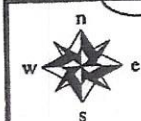
Sample Description	Date	Chlorides (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH (DRO+GRO)	MRO (mg/kg)	TPH (DRO+GRO+MRO) (mg/kg)	Benzene (mg/kg)	Xylene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	BTEX (mg/kg)
TABLE / STANDARDS	NA	10,000	NA	NA	1,000	NA	2,500	10	NA	NA	NA	50
Tank 1 Composite	8/20/2019	104	< 0.110	< 4.40	< 4.51	4.63	4.63	< 0.00055	< 0.00550	< 0.000550	< 0.00165	< 0.00825
Tank 2 Composite	8/20/2019	281	< 0.117	< 4.69	< 4.807	5.57	5.57	< 0.000587	< 0.00587	< 0.000587	< 0.00176	< 0.008804
Tank 3 Composite	8/20/2019	167	< 0.106	7.98	7.98	14.4	22.38	< 0.000528	< 0.00528	< 0.000528	< 0.00159	< 0.007926



# ENDURING RESOURCES

## ON-SITE FORM

Well Name WEU 300H Recycling Facility API # 3RP-42  
 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ County Sandoval State NM  
 Contractors On-Site None Time On-Site 9<sup>10</sup> AM Time Off-Site 10<sup>35</sup>  
 Spill Amount \_\_\_\_\_ bbls Spilled ( Oil/Produced Water/Other \_\_\_\_\_ ) Recovered \_\_\_\_\_  
 Land Use ( Range / Residential / Tribe \_\_\_\_\_ ) Spill Area \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ deep



Sample Location

Sample Location

Site Diagram

\*No Damp or discolored areas noted during sample collection.

Comments

### Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
10 <sup>05</sup>	1	Tank 1 Composite	Dry, Brown Soil, no odor		
10 <sup>10</sup>	2	Tank 2 Composite	"		
10 <sup>15</sup>	3	Tank 3 Composite	"		

Name (Print)

James McDaniel

Date

8/20/19

Name (Signature)

Company

Enduring

**James McDaniel**

---

**From:** James McDaniel  
**Sent:** Wednesday, August 14, 2019 2:35 PM  
**To:** Smith, Cory, EMNRD; Powell, Brandon, EMNRD  
**Subject:** WEU 300H (3RF-42) Closure

Cory,

Enduring will be performing final closure sampling at the WEU 300H Recycling Facility (3RF-42) on Tuesday, August 20<sup>th</sup> at 10 AM. Thank you for your time in regards to this matter.

**James McDaniel**  
**HSE Supervisor**  
**Enduring Resources**  
CSP #30009  
CHMM #15676  
Office: 505-636-9731  
Cell: 505-444-3004  
[jmcdaniel@enduringresources.com](mailto:jmcdaniel@enduringresources.com)





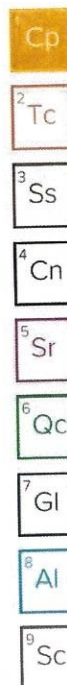


## ANALYTICAL REPORT

August 30, 2019

**Enduring Resources**

Sample Delivery Group: L1131728  
Samples Received: 08/22/2019  
Project Number:  
Description: WEU 300 H  
Site: WEU 300H  
Report To: James McDaniel  
200 Energy Court  
Farmington, NM 87401



Entire Report Reviewed By:

Daphne Richards  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

ACCOUNT:

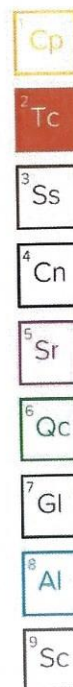
PROJECT:

SDG:  
L1131728DATE/TIME:  
08/30/19 08:26PAGE:  
1 of 15

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## SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

## TANK 1 COMPOSITE L1131728-01 Solid

Collected by  
James McDaniel

Collected date/time  
08/20/19 10:05

Received date/time  
08/22/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1336159	1	08/28/19 16:25	08/28/19 16:46	KBC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1334036	1	08/25/19 15:40	08/25/19 18:31	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1336837	1	08/25/19 12:01	08/29/19 14:35	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1336405	1	08/28/19 21:41	08/29/19 10:24	JDG	Mt. Juliet, TN

## TANK 2 COMPOSITE L1131728-02 Solid

Collected by  
James McDaniel

Collected date/time  
08/20/19 10:10

Received date/time  
08/22/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1336159	1	08/28/19 16:25	08/28/19 16:46	KBC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1334036	1	08/25/19 15:40	08/25/19 18:47	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1336837	1	08/25/19 12:01	08/29/19 14:55	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1336405	1	08/28/19 21:41	08/29/19 10:36	JDG	Mt. Juliet, TN

## TANK 3 COMPOSITE L1131728-03 Solid

Collected by  
James McDaniel

Collected date/time  
08/20/19 10:15

Received date/time  
08/22/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1336159	1	08/28/19 16:25	08/28/19 16:46	KBC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1334036	1	08/25/19 15:40	08/25/19 19:03	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1336837	1	08/25/19 12:01	08/29/19 15:16	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1336405	1	08/28/19 21:41	08/29/19 10:49	JDG	Mt. Juliet, TN

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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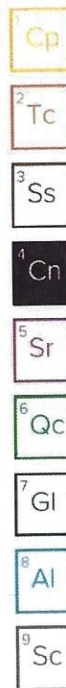
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## CASE NARRATIVE

ONE LAB. NATIONWIDE.

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards  
Project Manager



ACCOUNT:

Enduring Resources

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## TANK 1 COMPOSITE

## SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 08/20/19 10:05

L1131728

## Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	91.0		1	08/28/2019 16:46	WG1336159

## Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chloride	104		11.0	1	08/25/2019 18:31	WG1334036

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Benzene	ND		0.000550	1	08/29/2019 14:35	WG1336837
Toluene	ND		0.00550	1	08/29/2019 14:35	WG1336837
Ethylbenzene	ND		0.000550	1	08/29/2019 14:35	WG1336837
Total Xylene	ND		0.00165	1	08/29/2019 14:35	WG1336837
TPH (GC/FID) Low Fraction	ND		0.110	1	08/29/2019 14:35	WG1336837
(S) <i>o,o,o</i> -Trifluorotoluene(FID)	93.7		77.0-120		08/29/2019 14:35	WG1336837
(S) <i>o,o,o</i> -Trifluorotoluene(PID)	92.6		72.0-128		08/29/2019 14:35	WG1336837

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
C10-C28 Diesel Range	ND		4.40	1	08/29/2019 10:24	WG1336405
C28-C40 Oil Range	4.63		4.40	1	08/29/2019 10:24	WG1336405
(S) <i>o</i> -Terphenyl	75.2		18.0-148		08/29/2019 10:24	WG1336405



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## TANK 2 COMPOSITE

## SAMPLE RESULTS - 02

ONE LAB, NATIONWIDE.

Collected date/time: 08/20/19 10:10

L1131728

## Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	85.2		1	08/28/2019 16:46	WG1336159

## Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chloride	281		11.7	1	08/25/2019 18:47	WG1334036

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Benzene	ND		0.000587	1	08/29/2019 14:55	WG1336837
Toluene	ND		0.00587	1	08/29/2019 14:55	WG1336837
Ethylbenzene	ND		0.000587	1	08/29/2019 14:55	WG1336837
Total Xylene	ND		0.00176	1	08/29/2019 14:55	WG1336837
TPH (GC/FID) Low Fraction	ND		0.117	1	08/29/2019 14:55	WG1336837
(S) <i>o,o</i> -Trifluorotoluene(FID)	93.5		77.0-120		08/29/2019 14:55	WG1336837
(S) <i>o,o</i> -Trifluorotoluene(PID)	91.8		72.0-128		08/29/2019 14:55	WG1336837

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
C10-C28 Diesel Range	ND		4.69	1	08/29/2019 10:36	WG1336405
C28-C40 Oil Range	5.57		4.69	1	08/29/2019 10:36	WG1336405
(S) <i>o</i> -Terphenyl	56.5		18.0-148		08/29/2019 10:36	WG1336405



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## TANK 3 COMPOSITE

## SAMPLE RESULTS - 03

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Collected date/time: 08/20/19 10:15

L1131728

## Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.6		1	08/28/2019 16:46	WG1336159

## Wet Chemistry by Method 9056A

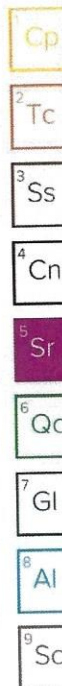
Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	167		10.6	1	08/25/2019 19:03	WG1334036

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000528	1	08/29/2019 15:16	WG1336837
Toluene	ND		0.00528	1	08/29/2019 15:16	WG1336837
Ethylbenzene	ND		0.000528	1	08/29/2019 15:16	WG1336837
Total Xylene	ND		0.00159	1	08/29/2019 15:16	WG1336837
TPH (GC/FID) Low Fraction	ND		0.106	1	08/29/2019 15:16	WG1336837
(S) a,a,a-Trifluorotoluene(FID)	93.3		77.0-120		08/29/2019 15:16	WG1336837
(S) a,a,a-Trifluorotoluene(PID)	90.8		72.0-128		08/29/2019 15:16	WG1336837

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.98		4.23	1	08/29/2019 10:49	WG1336405
C28-C40 Oil Range	14.4		4.23	1	08/29/2019 10:49	WG1336405
(S) a-Terphenyl	65.5		18.0-148		08/29/2019 10:49	WG1336405



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## QUALITY CONTROL SUMMARY

WG1336159

Total Solids by Method 2540 G-2011

L1131728-01.02.03

## Method Blank (MB)

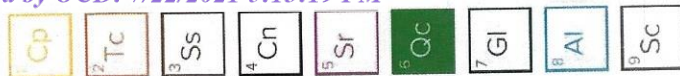
(MB) R3445386-1 08/28/19 16:46				
Analyte	MB Result %	MB Qualifier %	MB MDL %	MB RDL %
Total Solids	0.00200			

## L1131740-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1131740-01 08/28/19 16:46 • (DUP) R3445386-3 08/28/19 16:46				
	Original Result %	DUP Result %	Dilution %	DUP RPD %
Analyte	96.4	96.4	1	0.0259
Total Solids				10

## Laboratory Control Sample (LCS)

(LCS) R3445386-2 08/28/19 16:46				
	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %
Analyte	50.0	50.0	100	85.0-115
Total Solids				

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## QUALITY CONTROL SUMMARY

L1131728-01.02.03

WG1334036

Wet Chemistry by Method 9056A

## Method Blank (MB)

(MB) R3444108-1 08/25/19 17:27				
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg	mg/kg	mg/kg	mg/kg
Chloride	4.87	J	0.795	10.0

## L1132107-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1132107-01 08/25/19 23:42 • (DUP) R3444108-5 08/26/19 00:31				
	Original Result	DUP Result	Dilution	DUP RPD
	(dry)	(dry)		%
Analyte	mg/kg	mg/kg		%
Chloride	7.55	7.26	1	3.80
				J
				15

## L1132107-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1132107-02 08/26/19 00:48 • (DUP) R3444108-6 08/26/19 01:04				
	Original Result	DUP Result	Dilution	DUP RPD
	(dry)	(dry)		%
Analyte	mg/kg	mg/kg		%
Chloride	49.4	50.1	1	1.53
				15

## Laboratory Control Sample (LCS)

(LCS) R3444108-2 08/25/19 17:43				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits
	mg/kg	mg/kg	%	%
Analyte				
Chloride	200	202	101	80.0-120

## L1131887-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1131887-01 08/25/19 19:20 • (MS) R3444108-3 08/25/19 19:36 • (MSD) R3444108-4 08/25/19 19:53				
	Spike Amount	Original Result	MS Result	MSD Result
	mg/kg	mg/kg	mg/kg	mg/kg
Analyte				
Chloride	500	1890	2500	2440
				124
				111
				80.0-120
				1
				E J5
				E
				2.55
				15

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## QUALITY CONTROL SUMMARY

WG1336837

Volatile Organic Compounds (GC) by Method 8015/8021

L1131728-01.02.03

## Method Blank (MB)

(MB) R3445582-3 08/29/19 11:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000390	J	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	94.8			77.0-120
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	92.1			72.0-128

## Laboratory Control Sample (LCS)

(LCS) R3445582-1 08/29/19 10:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0563	113	76.0-121	
Toluene	0.0500	0.0473	94.6	80.0-120	
Ethylbenzene	0.0500	0.0497	99.3	80.0-124	
Total Xylene	0.150	0.138	91.9	37.0-160	
(S) <i>a,a,a</i> -Trifluorotoluene(FID)			94.3	77.0-120	
(S) <i>a,a,a</i> -Trifluorotoluene(PID)			102	72.0-128	

## Laboratory Control Sample (LCS)

(LCS) R3445582-2 08/29/19 10:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.05	91.7	72.0-127	
(S) <i>a,a,a</i> -Trifluorotoluene(FID)			95.7	77.0-120	
(S) <i>a,a,a</i> -Trifluorotoluene(PID)			110	72.0-128	

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## QUALITY CONTROL SUMMARY

WG13336837

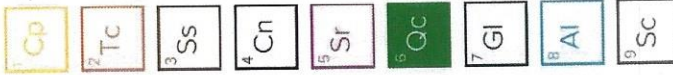
Volatile Organic Compounds (GC) by Method 8015/8021

L1131728-01.02.03

L1133545-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1133545-04 08/29/19 17:39 • (MS) R3445582-4 08/29/19 19:01 • (MSD) R3445582-5 08/29/19 19:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.981	132	129	95.5	93.0	25	10.0-151			2.66	28
(S) <i>a,a,a</i> -Trifluorotoluene(FID)					103	104		77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)					114	113		72.0-128				

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## QUALITY CONTROL SUMMARY

L1131728-01.02.03

WG1336405

Semi-Volatile Organic Compounds (GC) by Method 8015

## Method Blank (MB)

(MB) R3445572-1 08/29/19 09:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U	1.61	4.00	4.00
C28-C40 Oil Range	U	0.274	4.00	4.00
(S) o-Terphenyl	73.1		18.0-148	

## Laboratory Control Sample (LCS)

(LCS) R3445572-2 08/29/19 09:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.6	65.2	50.0-150	
(S) o-Terphenyl			79.4	18.0-148	

## L1132231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1132231-01 08/29/19 11:19 • (MS) R3445572-3 08/29/19 11:32 • (MSD) R3445572-4 08/29/19 11:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Result mg/kg	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	ND	38.4	76.8	32.4	64.8	1	50.0-150			16.9	20
(S) o-Terphenyl				65.3		58.7		18.0-148				

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## GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

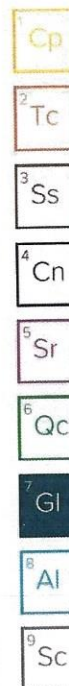
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

## Qualifier Description

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.





## ACCREDITATIONS &amp; LOCATIONS

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Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

## State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	90010	South Carolina	84004
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana <sup>1</sup>	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

## Third Party Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.

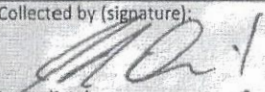
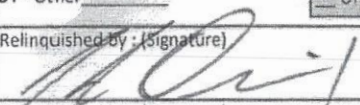
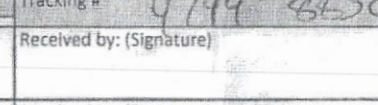
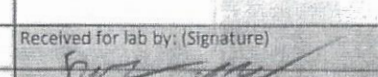


ACCOUNT:

PROJECT:

SDG:  
L1131728DATE/TIME:  
08/30/19 08:26PAGE:  
14 of 15



Report to: <b>James McDaniel</b>		Email To: <b>jmcDaniel@enduringresources.com</b>					
Project Description: <b>WEU 300 H</b>		City/State Collected: <b>Lybrook, NM</b>					
Phone: Fax:		Client Project # Lab Project #					
Collected by (print): <b>James McDaniel</b>		Site/Facility ID # <b>WEU 300H</b>					
Collected by (signature): 		P.O. # Quote #					
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day					
Date Results Needed		No. of Cntrs					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		
Tank 1 Composite	Comp	SS	0-6"	8/20/19	10 <sup>05</sup>	1	
Tank 2 Composite	Comp	SS	0-6"	8/20/19	10 <sup>10</sup>	1	
Tank 3 Composite	Comp	SS	0-6"	8/20/19	10 <sup>15</sup>	1	
* Matrix:		Remarks:		RAD SCREEN: <0.5 mR/hr		pH _____ Temp _____	
SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other		Samples returned via: ____ UPS ____ FedEx ____ Courier		Tracking # <b>4794 8130 0344</b>		Flow _____ Other _____	
Relinquished by: (Signature) 		Date: <b>8/21/19</b>		Time: <b>0640</b>		Received by: (Signature) 	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 	
Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		HCL / MeOH TBR		Temp: <b>11.3</b>		Bottles Received: <b>3</b>	
If preservation required by Login: Date/Time		Hold:		Condition: NCF <input type="checkbox"/> OK <input checked="" type="checkbox"/>			





Enduring Resources, LLC  
Facility Closure Report  
WEU 300H – 3RF-42



Photo 1: View of Pad after Containments have been Taken Down

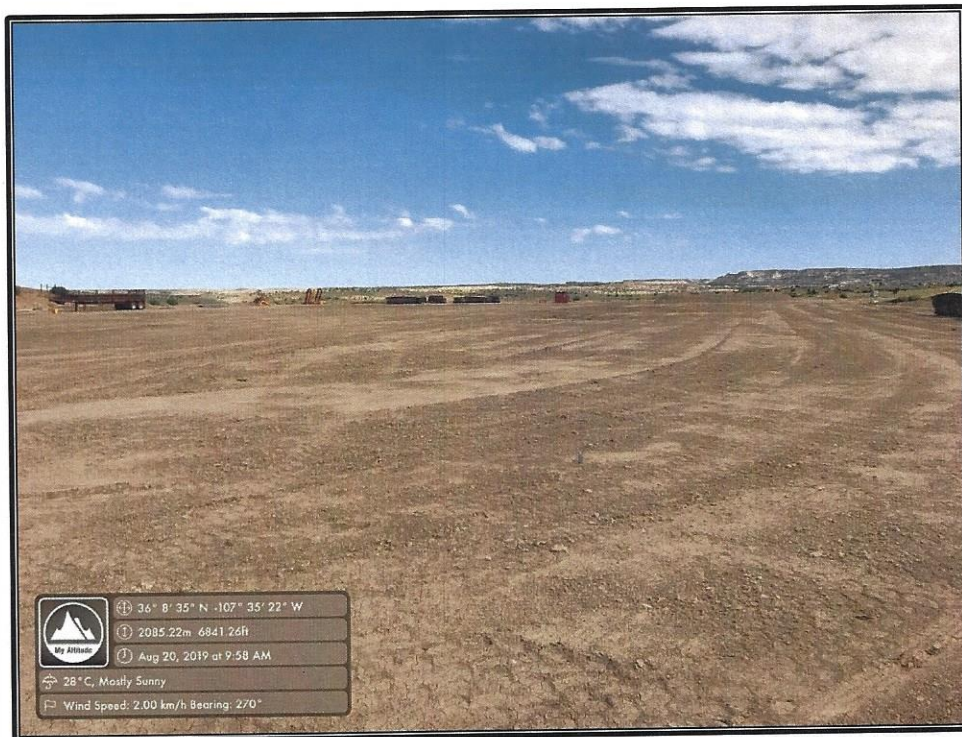


Photo 2: View of Pad after Containments have been Taken Down (View 2)



**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 37495

**CONDITIONS**

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO 80265	OGRID: 372286
	Action Number: 37495
	Action Type: [C-147] Water Recycle Long (C-147L)

**CONDITIONS**

Created By	Condition	Condition Date
vvenegas	NMOCOD has reviewed the closure request submitted by [372286] ENDURING RESOURCES, LLC on July 22, for 3RF-42 - W Escavada Unit 300H Recycling Facility. This closure request is approved.	7/27/2021