

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-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCS1927553042
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enduring Resources	OGRID: 372286
Contact Name: Chad Snell	Contact Telephone: 505-444-0586
Contact email: csnell@enduringresources.com	Incident # (assigned by OCD) NCS1927553042
Contact mailing address: 200 Energy Court	Farmington, New Mexico 87401

Location of Release Source

Latitude 36.200871 Longitude -107.732303
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rodeo 508H	Site Type: Wellsite
Date Release Discovered: 9/12/2019	API# (if applicable) 30-045-35869

Unit Letter	Section	Township	Range	County
H	25	23N	9W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls):
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 14 bbls	Volume Recovered (bbls): 0 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On 8/12/2019, a flowback tank on the Rodeo 508H location overflowed flowback fluids onto the pad. Approximately 14 bbls was released during the overflow, calculated by the amount of time it took to turn the pumps off (2 minutes) and the maximum flowrate of the pumps to the flowback tank (7 bbls per minute). Impacted soils around the flowback tanks were scraped up and disposed of immediately. Additional cleanup activities have been completed and release is ready for closure.

State of New Mexico

Oil Conservation Division

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: _____ Title: _____ Signature: _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>185</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chad Snell Title: HSE TechSignature:  Date: 11-18-19email: csnell@enduringresources.com Telephone: (505)444-0586**OCD Only**

Received by: _____ Date: _____

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Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____
 Signature: _____ Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chad Snell Title: HSE TechSignature:  Date: 11-18-19email: csnell@enduringresources.com Telephone: (505)444-0586**OCD Only**Received by: OCD Date: 11/19/19

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 2/17/2020Printed Name: Cory Title: Environmental Specialist

Rodeo 508H Remediation Narrative

8/12/2019

A flowback tank on the Rodeo 508H location overflowed flowback fluids onto the pad. Approximately 14 bbls was released during the overflow, calculated by the amount of time it took to turn the pumps off (2 minutes) and the maximum flowrate of the pumps to the flowback tank (7 bbls per minute). Impacted soils around the flowback tanks were scraped up and disposed of immediately.

10/3/2019

Additional clean-up activities began, flowback operations were complete and equipment was moved and remaining impacted soil under flowback tanks was removed at this time. Approximately 100 cubic yards of impacted soil was removed.

10/8/2019

Further excavation continued knowing impacted area would not pass the most stringent standards due to impacted area being in the top four feet of the well pad. An additional 75 cubic yards was removed and disposed of properly. Clean-up activities were completed at this time.

10/15/2019

Email notification was sent to the NMOCD and the BLM notifying them that closure samples would take place on Thursday October 17th 2019 immediately following sampling activities at the WLU 2309 24N (see attached "Email Notification").

10/17/2019

Sampling activities took place with Thomas Vermersch of the NMOCD and Abiodun Emmanuel Adeloje of the BLM onsite to witness. A total of 18 samples were taken all within a 200 square foot area. Sections 1, 4, 5, 8, 9 and 11 measured 25 feet in length and 8 feet wide. Sections 2, 3, 6, 7, 10 and 12 all measured 22 feet in length and 8 feet wide. Sections 13-18 measured 16 feet in length and 12 feet in width. All samples were sent in for analysis of BTEX, TPH (GRO/DRO/ORO) and Chlorides.

10/18/2018

Analytical report was received with two sections being slightly over the standard and needing further excavation. These sections were Section "2 and 17". All other samples returned below most stringent standards and need no further actions. (See attached "Sample Results Table").

10/22/2019

Email notification was sent to the BLM and the NMOCD stating that closure sampling on these 2 sections would take place on Thursday October 24th 2019 starting at 9:30am (see attached "Email Notification"). Further excavation continued on Section "2 and 17" scraping an additional 6 inches of impacted soil in those sections. Sections 8 and 9 were also excavated thinking those sections were also over the most stringent standards but both analytical results confirmed sections not to be above standards.

10/24/2019

Sampling activities took place with Abiodun Emmanuel Adedoye of the BLM on site to witness. Samples were taken from four sections (2, 8, 9 and 17) and sent in for analysis. Section 2 measured out to 22 feet in length and 8 feet in width. Sections 8, and 9 measured 25 feet in length and 8 feet in width. Section 17 measured 16 feet in length and 12 feet in width. Each Section was a total of 2 feet in depth from original surface.

10/25/2019

Analytical Report was received and returned results were all under most stringent standards listed in Table 1. No further action is needed.



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release



Photo 1: Release before Initial Cleanup (View 1)



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release



Photo 2: Release before Initial Cleanup (View 2)



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

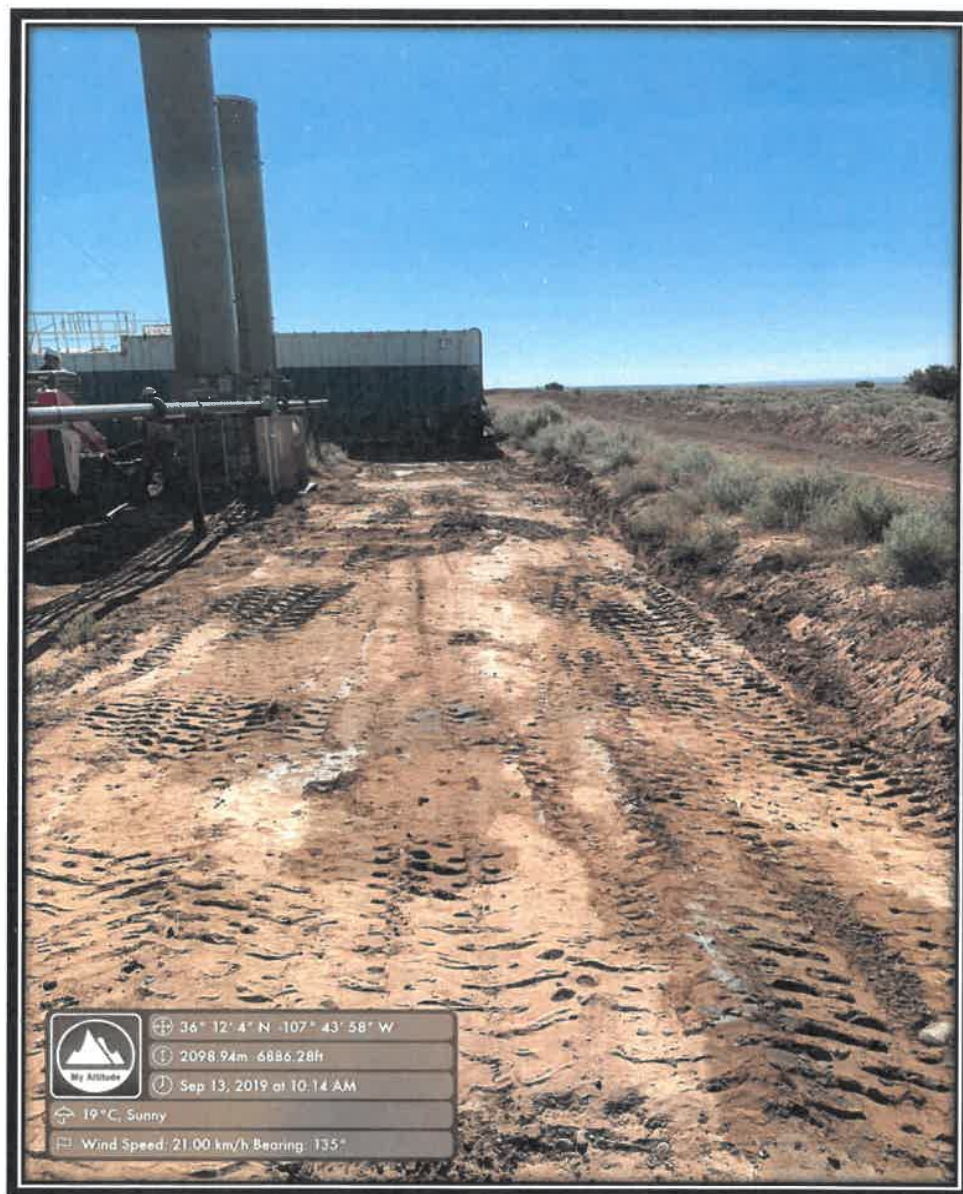


Photo 3: Release after Initial Cleanup (View 1)



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release



Photo 4: Release after Initial Cleanup (View 2)



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

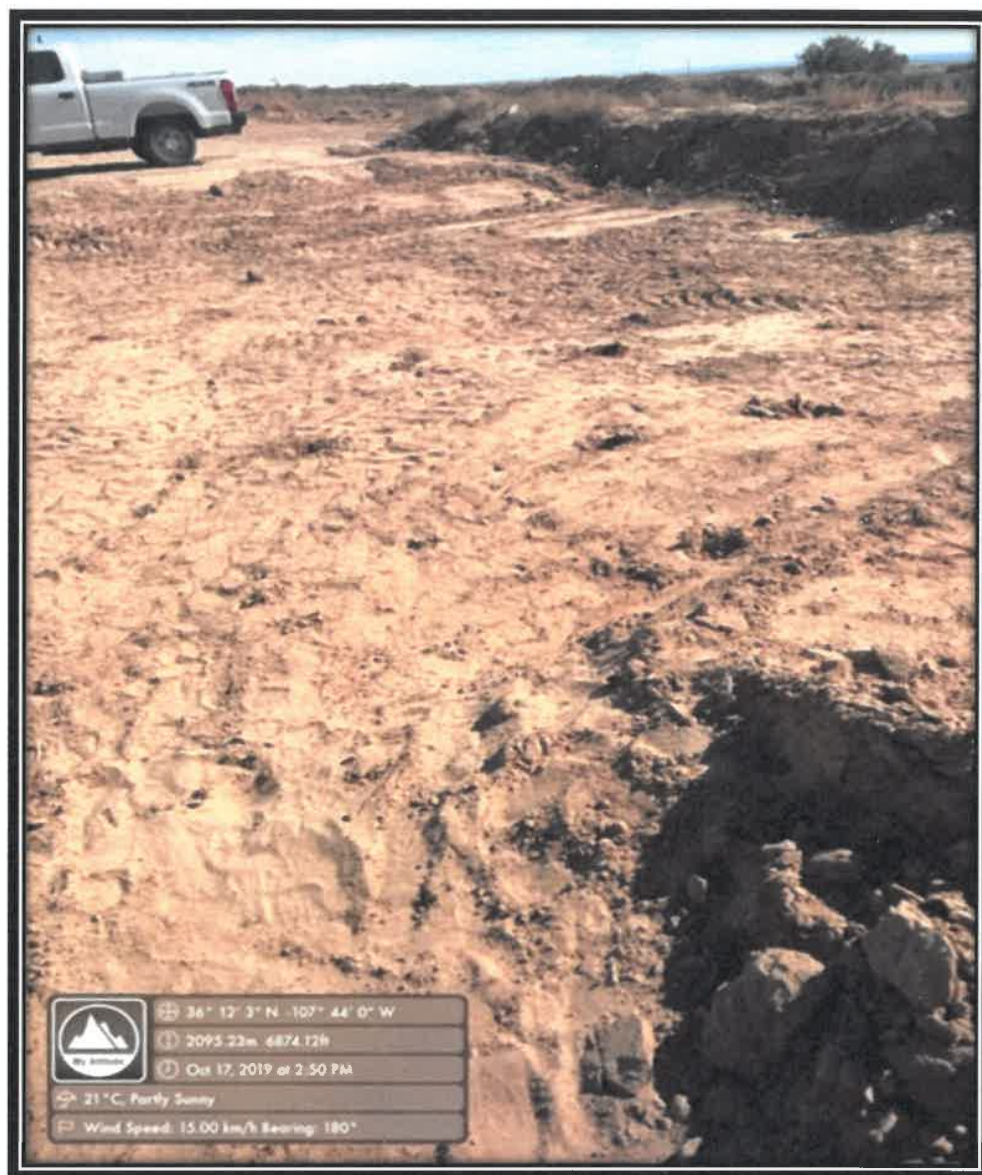


Photo 5: After Clean-up Sections 1-12



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

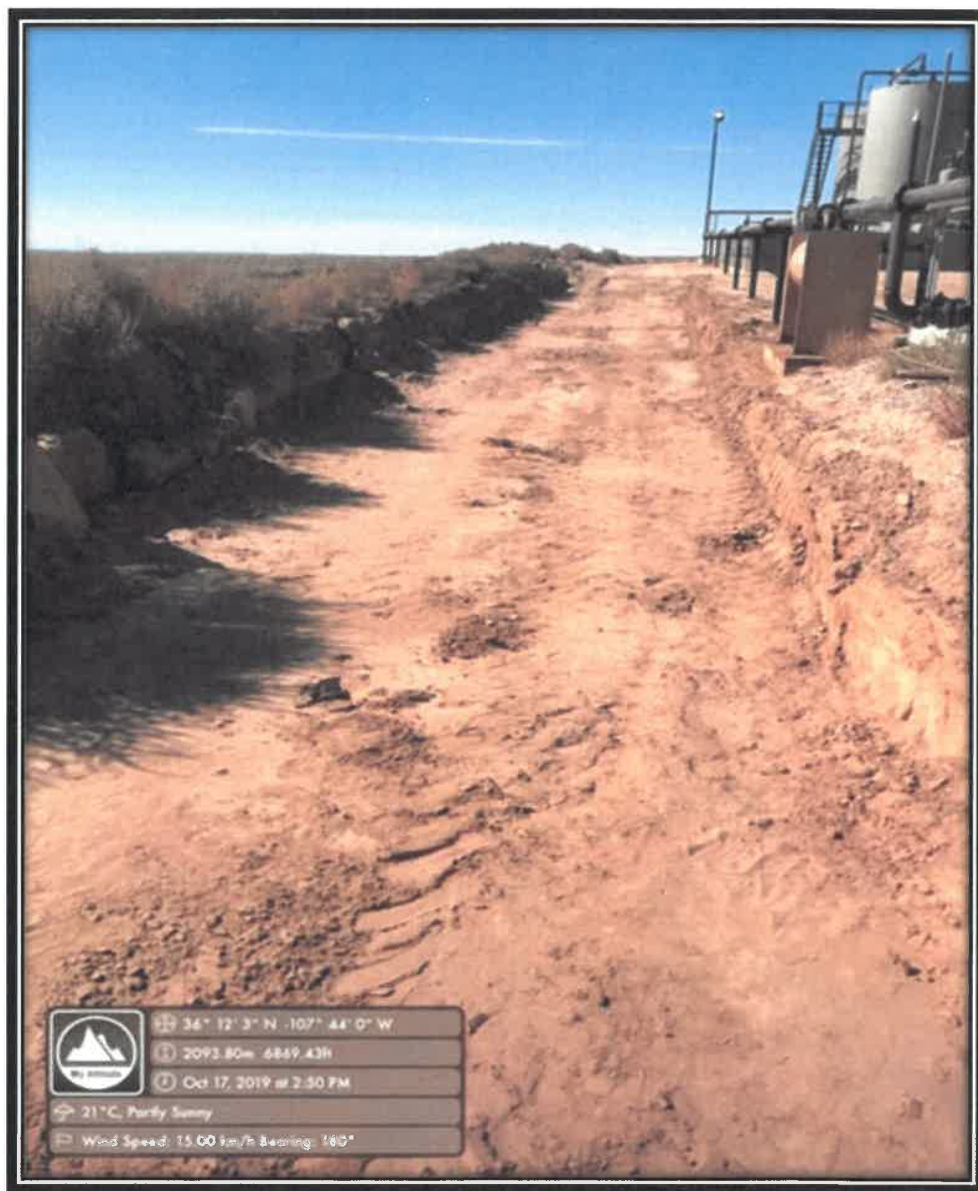


Photo 6: After Clean-up Sections 13-17



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

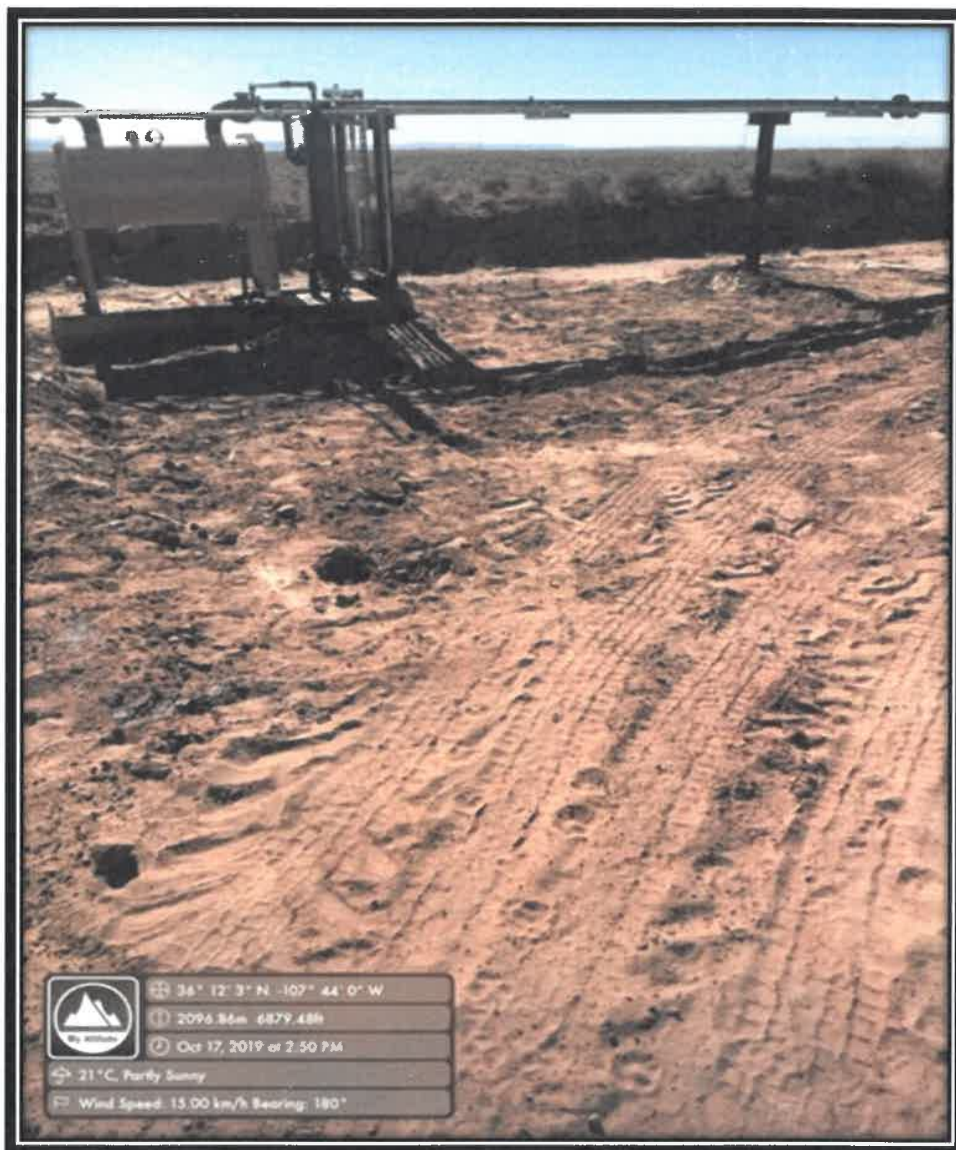


Photo 7: After Clean-up Section 18



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

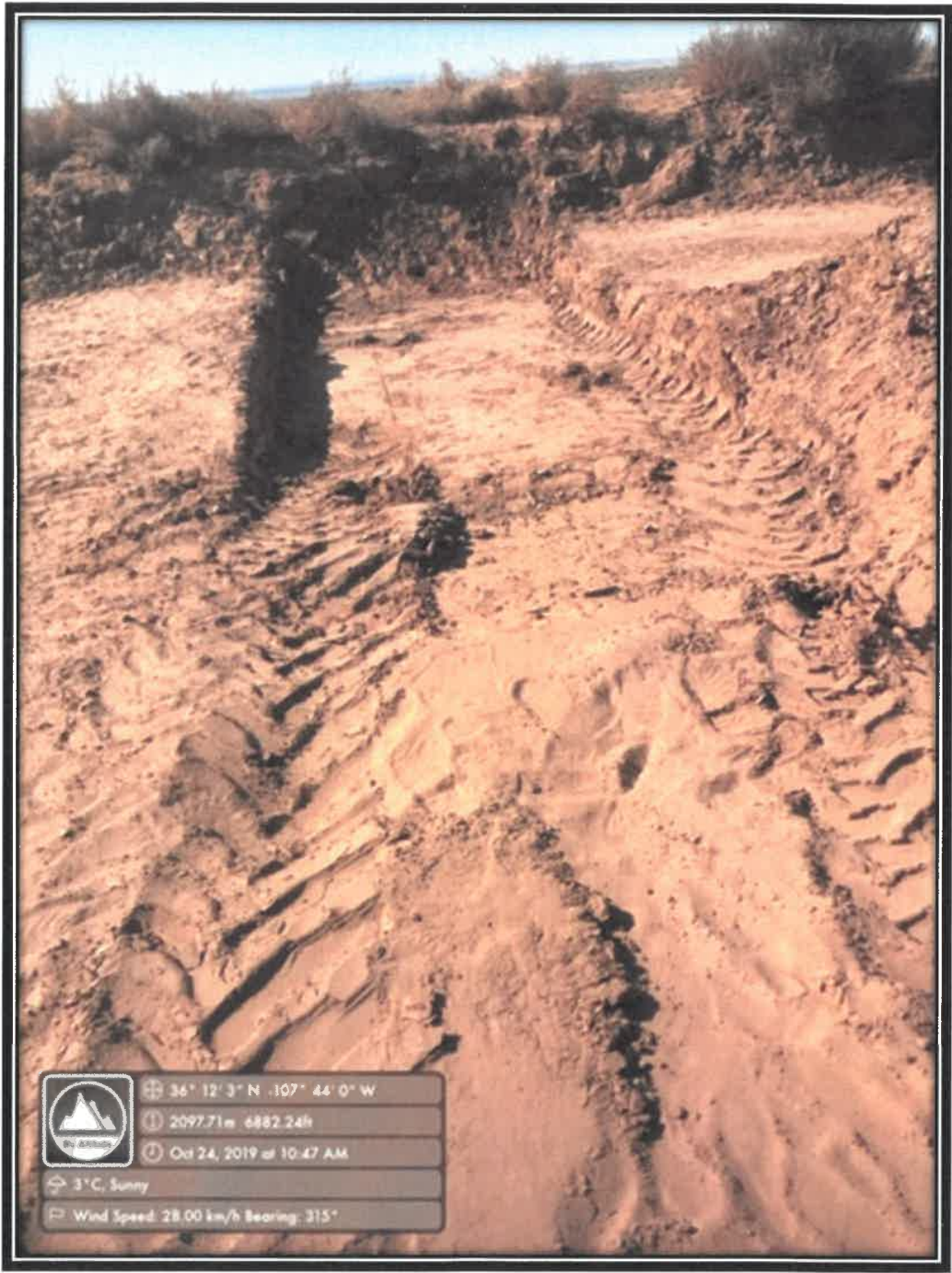


Photo 8: Section 2 After Additional Clean-up



Enduring Resources, LLC
Spill Closure Report
Rodeo 508H Release

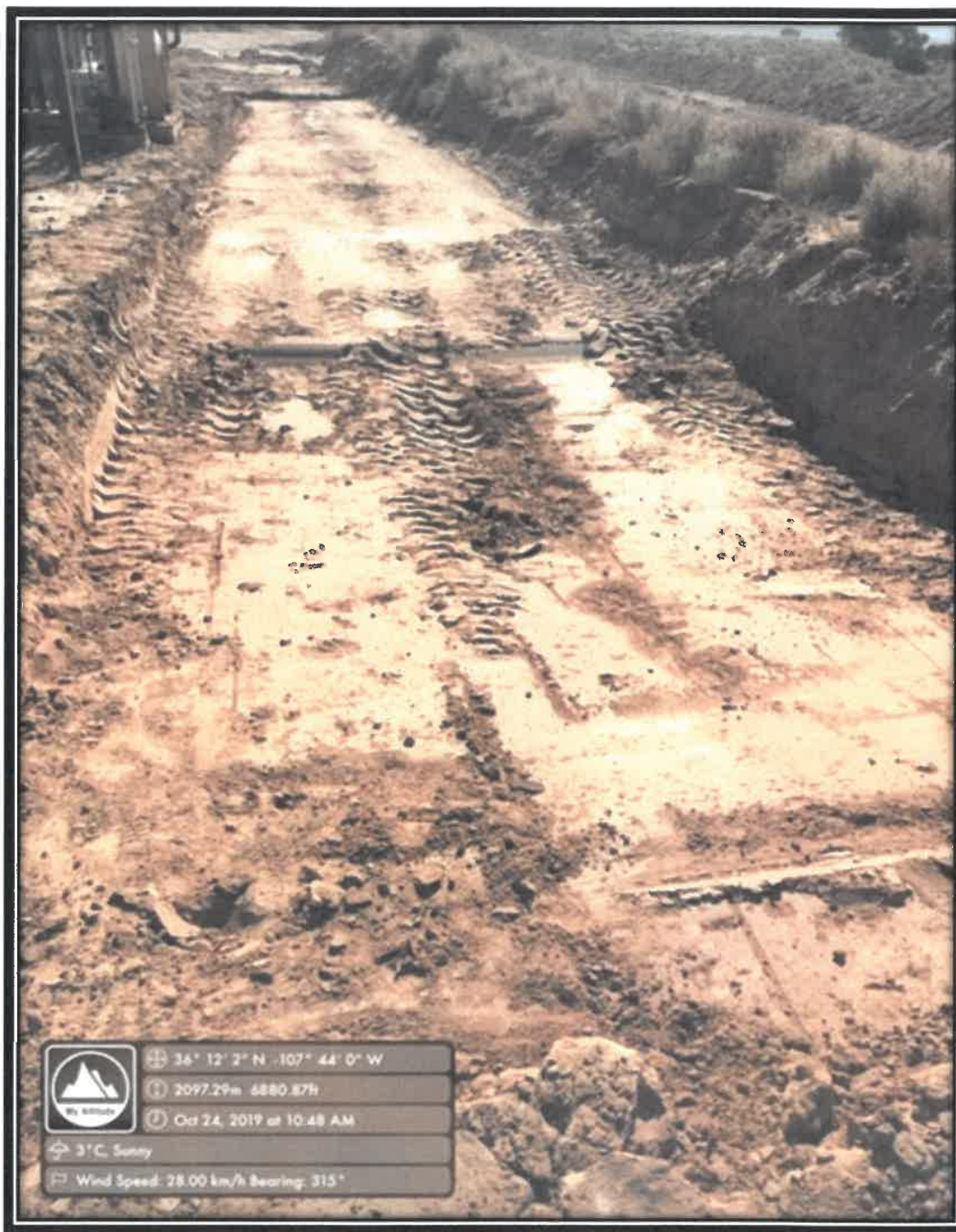


Photo 9: Section 17 After Additional Clean-up

Rodeo 508H

Sample Name	Description	Date	Time	DRO	GRO	DRO+	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD	Top 4 Feet	NA	NA	NA	NA	100	NA	100	10	NA	NA	NA	50	600	200 sq. ft.
Section 1	Composite	10/17/2019	12:20 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	200
Section 2	Composite	10/17/2019	12:25 PM	122	<20	122	60.1	182.1	<0.0250	<0.0250	<0.0250	<0.0500	ND	151	176
Section 3	Composite	10/17/2019	12:30 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	176
Section 4	Composite	10/17/2019	12:35 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	28.3	200
Section 5	Composite	10/17/2019	12:40 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	91.4	200
Section 6	Composite	10/17/2019	12:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	176
Section 7	Composite	10/17/2019	12:50 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	176
Section 8	Composite	10/17/2019	12:55 PM	68.8	<20	68.8	<50	68.8	<0.0250	<0.0250	<0.0250	<0.0500	ND	44.6	200
Section 9	Composite	10/17/2019	1:00 PM	37	<20	37	<50	37	<0.0250	<0.0250	<0.0250	<0.0500	ND	38.7	200
Section 10	Composite	10/17/2019	1:05 PM	25	<20	25	<50	25	<0.0250	<0.0250	<0.0250	<0.0500	ND	37.7	176
Section 11	Composite	10/17/2019	1:10 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	200
Section 12	Composite	10/17/2019	1:15 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	176
Section 13	Composite	10/17/2019	1:20 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	151	192
Section 14	Composite	10/17/2019	1:25 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	192
Section 15	Composite	10/17/2019	1:30 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	22.3	192
Section 16	Composite	10/17/2019	1:35 PM	29.3	<20	29.3	<50	29.3	<0.0250	<0.0250	<0.0250	<0.0500	ND	20.9	192
Section 17	Composite	10/17/2019	1:40 PM	96.4	<20	96.4	71.6	168	<0.0250	<0.0250	<0.0250	<0.0500	ND	22.8	192
Section 18	Composite	10/17/2019	1:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	107	192
Section 2	Composite	10/24/2019	2:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	176
Section 8	Composite	10/24/2019	3:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	200
Section 9	Composite	10/24/2019	4:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	200
Section 17	Composite	10/24/2019	5:45 PM	<25	<20	ND	<50	ND	<0.0250	<0.0250	<0.0250	<0.0500	ND	ND	192

Attachment C

MO-TE DRILLING, INC.

DAY			
DRILLER	JOSH WOOD	LEFT TOWN	ARRIVED FIELD
HELPER	Brando H	LEFT FIELD	ARRIVED TOWN
HELPER	C. S. M	TOTAL FOOTAGE TODAY	
RIG NO.	207	DATE	1-16-18
		CLIENT	Enduring
BEGIN WORK ON HOLE NO.	RODEO UNIT #511H	AT	
BEGIN WORK ON HOLE NO.		AT	

TIME		ACTIVITY
FROM	TO	
7:30	9:00	Drive To location
9:00	9:45	Set up rig, Rig up, Wait on site
9:45	9:55	Drill 0-50' Trip out wait 1 hour
9:55	10:55	Standby test for water, No water
10:55	11:15	Drill 50-100' Trip out wait 1 hour
11:15	12:15	Standby test for water, No water
12:15	12:45	Fill in hole Rig down
12:45	2:00	Drive in

1 3/4 Bit

Section 25, T23N, R9W San Juan County

LAT: 36.191179

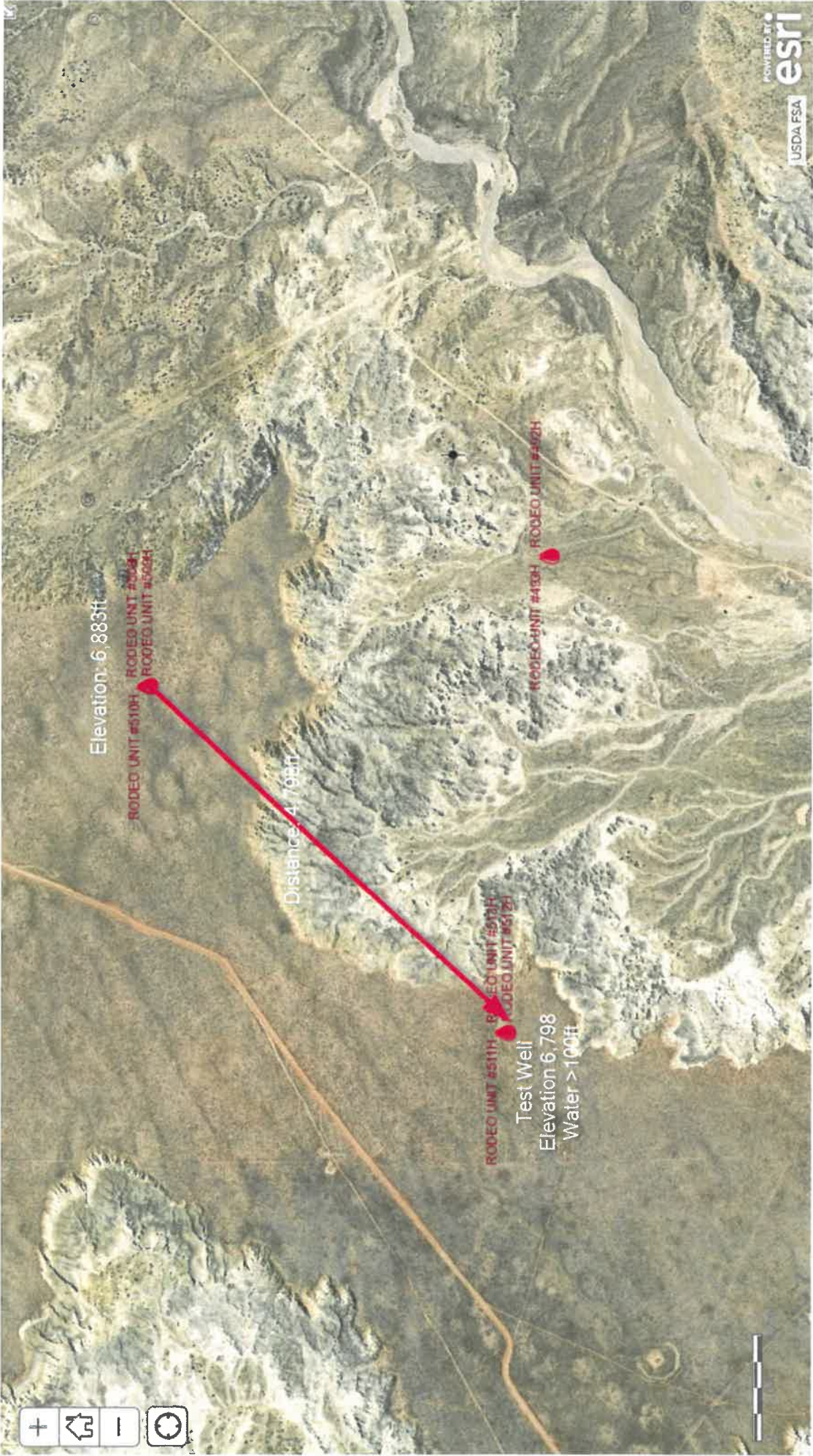
LONG: 107.744800

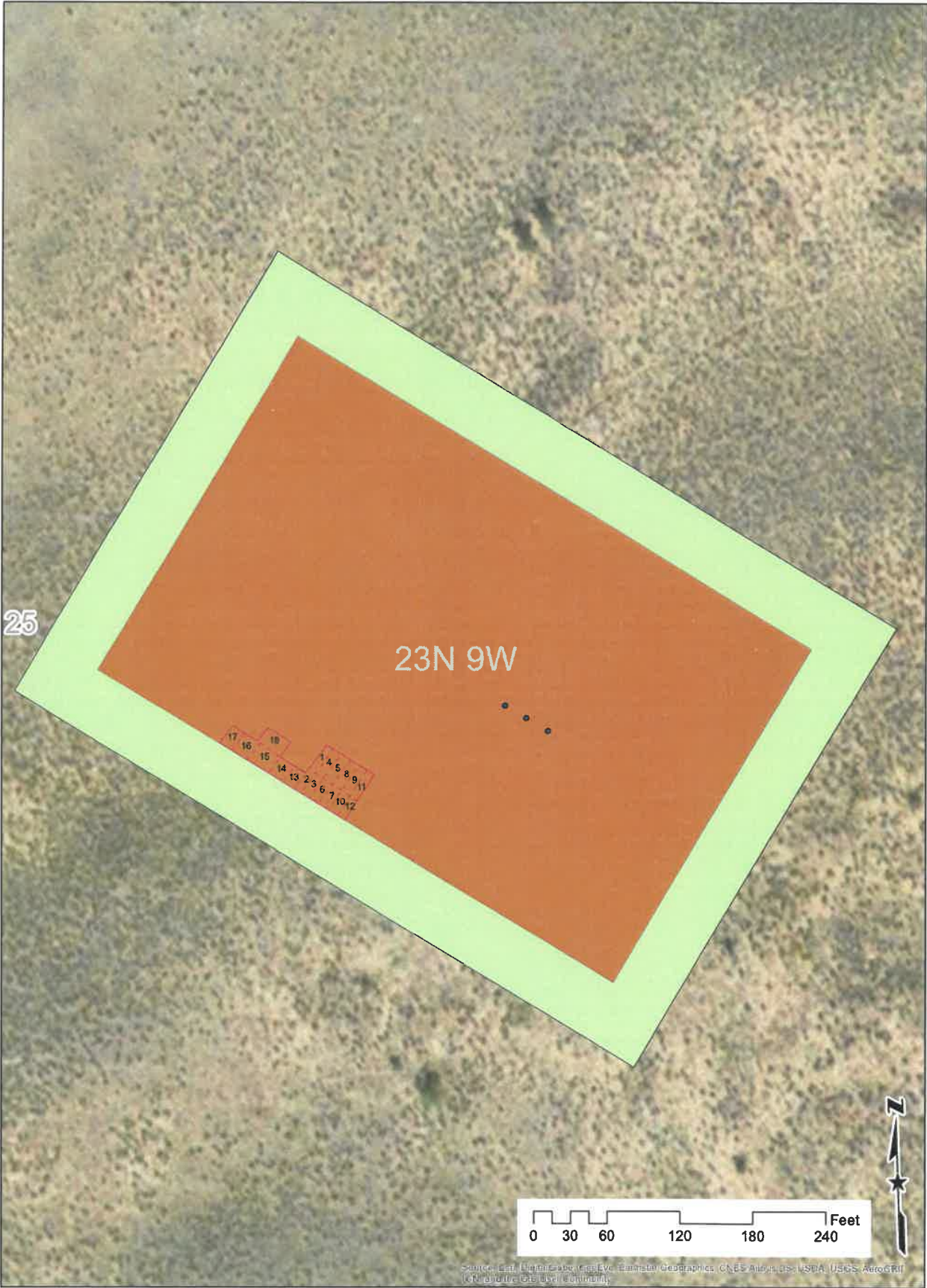
BIT RECORD		
SIZE & MAKE	SERIAL NO.	FOOTAGE
CIRCULATION MATERIAL		
QUAN.	UNIT	MATERIAL

NO. OF LOADS OF WATER _____ SOURCE _____

san juan repr farm, nm Form 219-6

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ROU 508 Pad

- AOI
- Constr Disturb
- Well head
- Well Pad



**ENDURING
RESOURCES, LLC**

Updated: 11/14/2019

National Flood Hazard Layer FIRMette



36°12'20.37"N

T23NIR09WIS24

T23NIR08WIS19

San Juan County
350064

T23NIR09WIS25

T23NIR08WIS30

Navajo Indian Reservation
350118

AREA OF MINIMAL FLOOD HAZARD

Zone X

107°43'35.43"W



1:6,000

36°11'51.34"N

USGS The National Map: Orthoimagery Data refreshed April 2019

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, AG
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone C
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone I

OTHER AREAS

- Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone C
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped

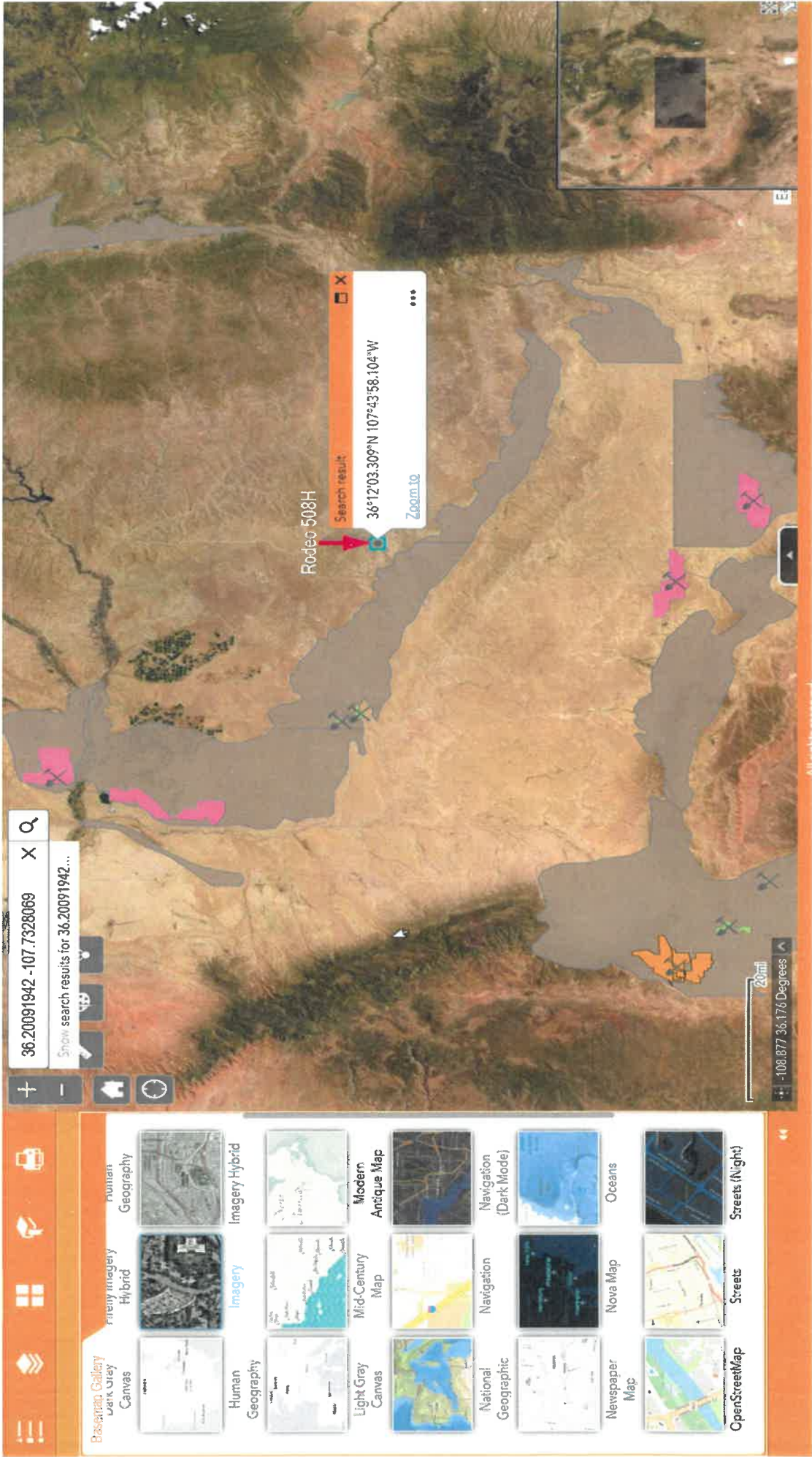
MAP PANELS

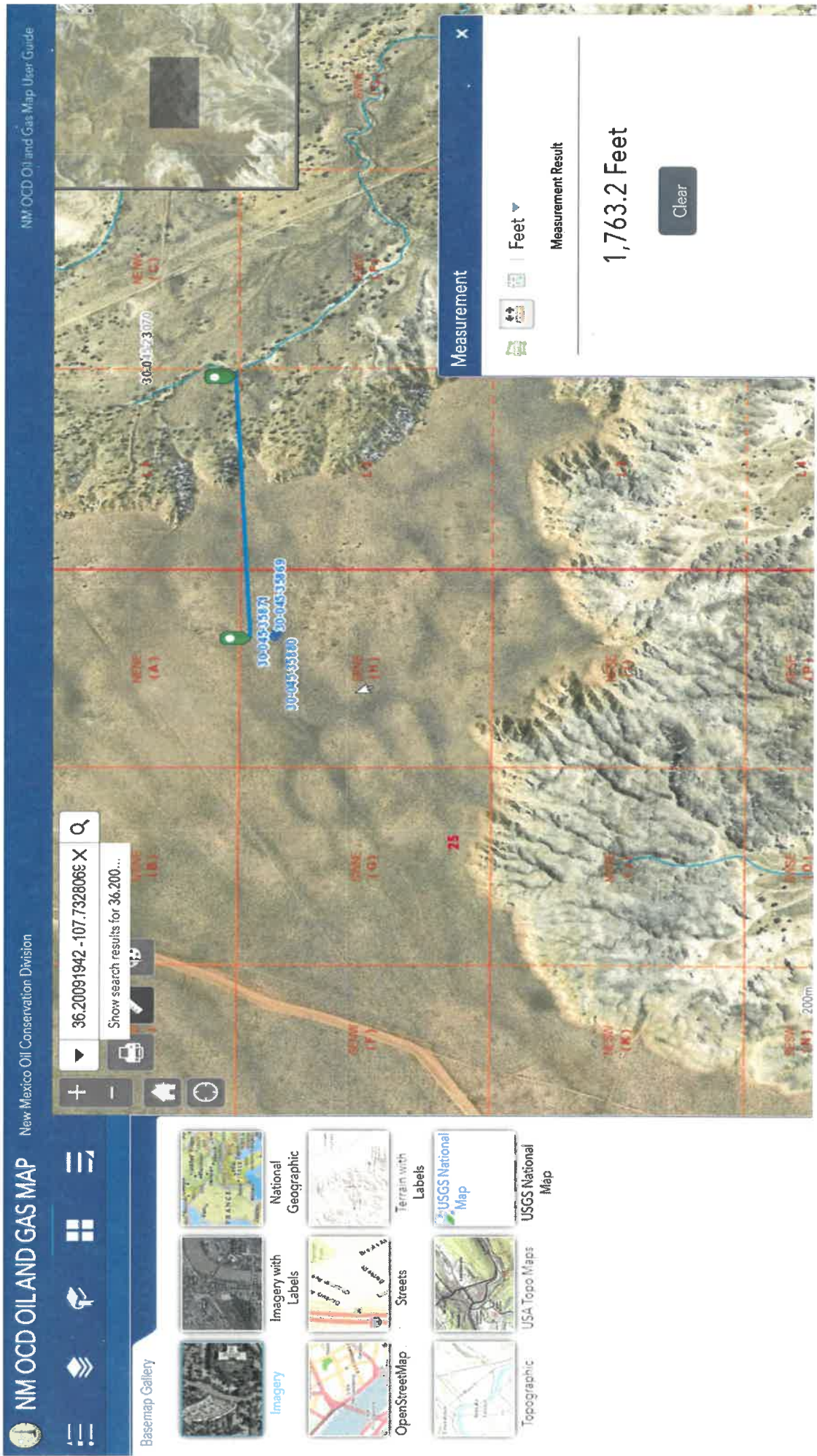
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/12/2019 at 12:30:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.







Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 10/17/2019

Job Number: 17065-0017

Work Order: P910085

Project Name/Location: Rodeo 508H Spill1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 10/21/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 1	P910085-01A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 2	P910085-02A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 3	P910085-03A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 4	P910085-04A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 5	P910085-05A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 6	P910085-06A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 7	P910085-07A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 8	P910085-08A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 9	P910085-09A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 10	P910085-10A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 11	P910085-11A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 12	P910085-12A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 13	P910085-13A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 14	P910085-14A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 15	P910085-15A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 16	P910085-16A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 17	P910085-17A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.
Section 18	P910085-18A	Soil	10/17/19	10/17/19	Glass Jar, 4 oz.

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 1
P910085-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		106 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	
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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 2
P910085-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	122	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	60.1	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	151	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rodeo 508H Spill1 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/21/19 14:56
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Section 3
P910085-03 (Solid)

Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatiles Organics by EPA 8021								
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B
Nonhalogenated Organics by 8015 - DRO/ORO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D
Surrogate: n-Nonane		98.2 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D
Nonhalogenated Organics by 8015 - GRO								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D
Anions by 300.0/9056A								
Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 4
P910085-04 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	28.3	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 5
P910085-05 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		101 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	91.4	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 6
P910085-06 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		101 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Section 7
P910085-07 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/17/19	EPA 8015D	
Surrogate: n-Nonane		102 %		50-200	1942043	10/17/19	10/17/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 8
P910085-08 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	68.8	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	44.6	20.0	mg/kg	1	1942040	10/17/19	10/17/19	EPA 300.0/9056A	

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Section 9
P910085-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	37.0	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	38.7	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	
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Section 10
P910085-10 (Solid)

Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatiles Organics by EPA 8021								
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B
Surrogate: 4-Bromochlorobenzene-PID		104 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B
Nonhalogenated Organics by 8015 - DRO/ORO								
Diesel Range Organics (C10-C28)	25.0	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D
Surrogate: n-Nonane		109 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D
Nonhalogenated Organics by 8015 - GRO								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D
Anions by 300.0/9056A								
Chloride	37.7	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A

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Section 11
P910085-11 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		103 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	
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Section 12
P910085-12 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		103 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Section 13
P910085-13 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	150	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Section 14
P910085-14 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %		50-150	1942039	10/17/19	10/17/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/17/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %		50-150	1942039	10/17/19	10/17/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Project Name: Rodeo 508H Spill
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 15
P910085-15 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		106 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	22.3	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Section 16
P910085-16 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatiles Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	29.3	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	20.9	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Section 17
P910085-17 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
<u>Nonhalogenated Organics by 8015 - DRO/ORO</u>									
Diesel Range Organics (C10-C28)	96.4	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	71.6	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		110 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
<u>Nonhalogenated Organics by 8015 - GRO</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
<u>Anions by 300.0/9056A</u>									
Chloride	22.8	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Section 18
P910085-18 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %		50-150	1942039	10/17/19	10/18/19	EPA 8021B	
<u>Nonhalogenated Organics by 8015 - DRO/ORO</u>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942043	10/17/19	10/18/19	EPA 8015D	
Surrogate: n-Nonane		106 %		50-200	1942043	10/17/19	10/18/19	EPA 8015D	
<u>Nonhalogenated Organics by 8015 - GRO</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942039	10/17/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %		50-150	1942039	10/17/19	10/18/19	EPA 8015D	
<u>Anions by 300.0/9056A</u>									
Chloride	107	20.0	mg/kg	1	1942040	10/17/19	10/18/19	EPA 300.0/9056A	

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Project Name: Rodeo 508H Spill
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1942039 - Purge and Trap EPA 5030A

Blank (1942039-BLK1)

Prepared: 10/17/19 | Analyzed: 10/18/19 0

Benzene	ND	0.0250	mg/kg
Toluene	ND	0.0250	"
Ethylbenzene	ND	0.0250	"
p,m-Xylene	ND	0.0500	"
o-Xylene	ND	0.0250	"
Total Xylenes	ND	0.0250	"

Surrogate: 4-Bromochlorobenzene-PID 8.38 " 8.00 105 50-150

LCS (1942039-BS1)

Prepared: 10/17/19 | Analyzed: 10/18/19 0

Benzene	4.82	0.0250	mg/kg	5.00		96.4	70-130
Toluene	4.94	0.0250	"	5.00		98.7	70-130
Ethylbenzene	4.87	0.0250	"	5.00		97.4	70-130
p,m-Xylene	9.69	0.0500	"	10.0		96.9	70-130
o-Xylene	4.86	0.0250	"	5.00		97.3	70-130
Total Xylenes	14.6	0.0250	"	15.0		97.0	70-130

Surrogate: 4-Bromochlorobenzene-PID 8.49 " 8.00 106 50-150

Matrix Spike (1942039-MS1)

Source: P910085-01

Prepared: 10/17/19 | Analyzed: 10/18/19 0

Benzene	4.85	0.0250	mg/kg	5.00	ND	96.9	54.3-133
Toluene	4.98	0.0250	"	5.00	ND	99.6	61.4-130
Ethylbenzene	4.91	0.0250	"	5.00	ND	98.1	61.4-133
p,m-Xylene	9.77	0.0500	"	10.0	ND	97.7	63.3-131
o-Xylene	4.90	0.0250	"	5.00	ND	98.1	63.3-131
Total Xylenes	14.7	0.0250	"	15.0	ND	97.9	63.3-131

Surrogate: 4-Bromochlorobenzene-PID 8.45 " 8.00 106 50-150

Matrix Spike Dup (1942039-MSD1)

Source: P910085-01

Prepared: 10/17/19 | Analyzed: 10/18/19 0

Benzene	4.67	0.0250	mg/kg	5.00	ND	93.5	54.3-133	3.63	20
Toluene	4.80	0.0250	"	5.00	ND	95.9	61.4-130	3.71	20
Ethylbenzene	4.73	0.0250	"	5.00	ND	94.6	61.4-133	3.69	20
p,m-Xylene	9.42	0.0500	"	10.0	ND	94.2	63.3-131	3.72	20
o-Xylene	4.74	0.0250	"	5.00	ND	94.7	63.3-131	3.50	20
Total Xylenes	14.2	0.0250	"	15.0	ND	94.4	63.3-131	3.64	20

Surrogate: 4-Bromochlorobenzene-PID 8.49 " 8.00 106 50-150

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Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1942043 - DRO Extraction EPA 3570										
Blank (1942043-BLK1)				Prepared: 10/17/19 2 Analyzed: 10/18/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	52.3		"	50.0		105	50-200			
LCS (1942043-BS1)				Prepared: 10/17/19 2 Analyzed: 10/18/19 1						
Diesel Range Organics (C10-C28)	510	25.0	mg/kg	500		102	38-132			
Surrogate: n-Nonane	53.0		"	50.0		106	50-200			
Matrix Spike (1942043-MS1)				Source: P910085-01		Prepared: 10/17/19 2 Analyzed: 10/18/19 1				
Diesel Range Organics (C10-C28)	545	25.0	mg/kg	500	ND	109	38-132			
Surrogate: n-Nonane	55.9		"	50.0		112	50-200			
Matrix Spike Dup (1942043-MSD1)				Source: P910085-01		Prepared: 10/17/19 2 Analyzed: 10/18/19 1				
Diesel Range Organics (C10-C28)	523	25.0	mg/kg	500	ND	105	38-132	4.26	20	
Surrogate: n-Nonane	52.0		"	50.0		104	50-200			

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Enduring Resources, LLC	Project Name:	Rodeo 508H Spill	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	10/21/19 14:56

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1942039 - Purge and Trap EPA 5030A

Blank (1942039-BLK1)

Prepared: 10/17/19 1 Analyzed: 10/18/19 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		"	8.00		93.5	50-150			

LCS (1942039-BS2)

Prepared: 10/17/19 1 Analyzed: 10/18/19 0

Gasoline Range Organics (C6-C10)	49.8	20.0	mg/kg	50.0		99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		"	8.00		94.9	50-150			

Matrix Spike (1942039-MS2)

Source: P910085-01

Prepared: 10/17/19 1 Analyzed: 10/18/19 0

Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		"	8.00		94.1	50-150			

Matrix Spike Dup (1942039-MSD2)

Source: P910085-01

Prepared: 10/17/19 1 Analyzed: 10/18/19 0

Gasoline Range Organics (C6-C10)	51.4	20.0	mg/kg	50.0	ND	103	70-130	0.993	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		"	8.00		93.8	50-150			

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/21/19 14:56

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1942040 - Anion Extraction EPA 300.0/9056A										
Blank (1942040-BLK1)				Prepared & Analyzed: 10/17/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1942040-BS1)				Prepared & Analyzed: 10/17/19 1						
Chloride	257	20.0	mg/kg	250		103	90-110			
Matrix Spike (1942040-MS1)				Source: P910085-01 Prepared: 10/17/19 1 Analyzed: 10/17/19 2						
Chloride	237	20.0	mg/kg	250	ND	94.9	80-120			
Matrix Spike Dup (1942040-MSD1)				Source: P910085-01 Prepared: 10/17/19 1 Analyzed: 10/17/19 2						
Chloride	262	20.0	mg/kg	250	ND	105	80-120	9.80	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Enduring Resources, LLC	Project Name:	Rodeo 508H Spill1	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	10/21/19 14:56

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Project Information

Chain of Custody

Page 1 of 2

Client: <u>Enduring Resources</u> Project: <u>Morton South Soil 1</u> Project Manager: <u>Chris Snell</u> Address: <u>200 Ferry Crest</u> City, State, Zip: <u>Farmington, VA 87401</u> Phone: <u>(505) 444-0586</u> Email: <u>CSnell@enduringresources.com</u> <u>jmeden@enduringresources.com</u>				Report Attention Report due by: _____ Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>PA10085</u> Job Number <u>17045-0017</u> Analysis and Method				TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/> OK <input type="checkbox"/>																			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks																					
12:20	10-17-19	S		Section 1	1	X	X	X		X																							
12:25				Section 2	2	X	X	X		X																							
12:30				Section 3	3	X	X	X		X																							
12:35				Section 4	4	X	X	X		X																							
12:40				Section 5	5	X	X	X		X																							
12:45				Section 6	6	X	X	X		X																							
12:50				Section 7	7	X	X	X		X																							
12:55				Section 8	8	X	X	X		X																							
1:00				Section 9	9	X	X	X		X																							
1:05				Section 10	10	X	X	X		X																							
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Chris Snell 10-17-19</u> Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. <u>Visure in Cooler</u> <table border="1"> <tr> <td>Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td>Received by: (Signature)</td> <td>Date</td> <td>Time</td> <td rowspan="3"> Received on ice: <u>Y</u> / N Lab Use Only T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> </td> </tr> <tr> <td>Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td>Received by: (Signature)</td> <td>Date</td> <td>Time</td> </tr> <tr> <td>Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td>Received by: (Signature)</td> <td>Date</td> <td>Time</td> </tr> </table>															Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <u>Y</u> / N Lab Use Only T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																	


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Project Information

Chain of Custody

Page 2 of 27

Client: <u>Faduring Resources</u> Project: <u>Boiler 508H</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Court</u> City, State, Zip: <u>Farmington, NM 87401</u> Phone: <u>(505) 444-0586</u> Email: <u>csnell@faduringresources.com</u>				Report Attention Report due by: _____ Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>P100085</u> Job Number <u>17045-0017</u> Analysis and Method				TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/> OK <input type="checkbox"/>																	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks																			
1:10	10-17-19	S	1	Section 11	11	X	X	X		X																					
1:15			1	Section 12	12	X	X	X		X																					
1:20			1	Section 13	13	X	X	X		X																					
1:25			1	Section 14	14	X	X	X		X																					
1:30			1	Section 15	15	X	X	X		X																					
1:35			1	Section 16	16	X	X	X		X																					
1:40			1	Section 17	17	X	X	X		X																					
1:45			1	Section 18	18	X	X	X		X																					
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Chad Snell</u> <u>10-17-19</u> Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. <u>vis ice in cooler</u> <table border="1"> <tr> <td>Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td>Received by: (Signature)</td> <td>Date</td> <td>Time</td> <td rowspan="3"> Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u> </td> </tr> <tr> <td><u>Chad Snell</u></td> <td><u>10-17-19</u></td> <td><u>4:20pm</u></td> <td><u>Rainald Lopez</u></td> <td><u>10/17/19</u></td> <td><u>4:20</u></td> </tr> <tr> <td>Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td>Received by: (Signature)</td> <td>Date</td> <td>Time</td> </tr> </table>													Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	<u>Chad Snell</u>	<u>10-17-19</u>	<u>4:20pm</u>	<u>Rainald Lopez</u>	<u>10/17/19</u>	<u>4:20</u>	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																									
<u>Chad Snell</u>	<u>10-17-19</u>	<u>4:20pm</u>	<u>Rainald Lopez</u>	<u>10/17/19</u>	<u>4:20</u>																										
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																									


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Analytical Report

Report Summary


Client: Enduring Resources, LLC

Samples Received: 10/24/2019

Job Number: 17065-0017

Work Order: P910154

Project Name/Location: Rodeo 508H Spill 1

Report Reviewed By:  Date: 10/28/19
Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill 1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/28/19 14:10

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 2	P910154-01A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
Section 8	P910154-02A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
Section 9	P910154-03A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
Section 17	P910154-04A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.

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Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rodeo 508H Spill 1 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/28/19 14:10
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Section 2
P910154-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %		50-150	1943032	10/24/19	10/24/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Surrogate: n-Nonane		123 %		50-200	1943035	10/24/19	10/25/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %		50-150	1943032	10/24/19	10/24/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1943034	10/24/19	10/24/19	EPA 300.0/9056A	

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Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rodeo 508H Spill 1 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/28/19 14:10
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Section 8
P910154-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %		50-150	1943032	10/24/19	10/24/19	EPA 8021B	
<u>Nonhalogenated Organics by 8015 - DRO/ORO</u>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Surrogate: n-Nonane		125 %		50-200	1943035	10/24/19	10/25/19	EPA 8015D	
<u>Nonhalogenated Organics by 8015 - GRO</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %		50-150	1943032	10/24/19	10/24/19	EPA 8015D	
<u>Anions by 300.0/9056A</u>									
Chloride	ND	20.0	mg/kg	1	1943034	10/24/19	10/24/19	EPA 300.0/9056A	

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill 1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/28/19 14:10

Section 9
P910154-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatiles Organics by EPA 8021</u>									
Benzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %		50-150	1943032	10/24/19	10/24/19	EPA 8021B	
<u>Nonhalogenated Organics by 8015 - DRO/ORO</u>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Surrogate: n-Nonane		121 %		50-200	1943035	10/24/19	10/25/19	EPA 8015D	
<u>Nonhalogenated Organics by 8015 - GRO</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %		50-150	1943032	10/24/19	10/24/19	EPA 8015D	
<u>Anions by 300.0/9056A</u>									
Chloride	ND	20.0	mg/kg	1	1943034	10/24/19	10/24/19	EPA 300.0/9056A	

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Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rodeo 508H Spill 1 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/28/19 14:10
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Section 17
P910154-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		107 %		50-150	1943032	10/24/19	10/24/19	EPA 8021B	
<u>Nonhalogenated Organics by 8015 - DRO/ORO</u>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1943035	10/24/19	10/25/19	EPA 8015D	
Surrogate: n-Nonane		127 %		50-200	1943035	10/24/19	10/25/19	EPA 8015D	
<u>Nonhalogenated Organics by 8015 - GRO</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1943032	10/24/19	10/24/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %		50-150	1943032	10/24/19	10/24/19	EPA 8015D	
<u>Anions by 300.0/9056A</u>									
Chloride	ND	20.0	mg/kg	1	1943034	10/24/19	10/24/19	EPA 300.0/9056A	

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill 1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/28/19 14:10

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1943032 - Purge and Trap EPA 5030A

Blank (1943032-BLK1)

Prepared: 10/24/19 1 Analyzed: 10/24/19 2

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID 8.59 " 8.00 107 50-150

LCS (1943032-BS1)

Prepared: 10/24/19 1 Analyzed: 10/24/19 2

Benzene	4.51	0.0250	mg/kg	5.00		90.3	70-130			
Toluene	4.70	0.0250	"	5.00		94.1	70-130			
Ethylbenzene	4.77	0.0250	"	5.00		95.5	70-130			
p,m-Xylene	9.53	0.0500	"	10.0		95.3	70-130			
o-Xylene	4.81	0.0250	"	5.00		96.2	70-130			
Total Xylenes	14.3	0.0250	"	15.0		95.6	70-130			

Surrogate: 4-Bromochlorobenzene-PID 8.71 " 8.00 109 50-150

Matrix Spike (1943032-MS1)

Source: P910153-01

Prepared: 10/24/19 1 Analyzed: 10/24/19 2

Benzene	4.27	0.0250	mg/kg	5.00	ND	85.4	54.3-133			
Toluene	4.46	0.0250	"	5.00	ND	89.1	61.4-130			
Ethylbenzene	4.54	0.0250	"	5.00	ND	90.7	61.4-133			
p,m-Xylene	9.06	0.0500	"	10.0	ND	90.6	63.3-131			
o-Xylene	4.57	0.0250	"	5.00	ND	91.3	63.3-131			
Total Xylenes	13.6	0.0250	"	15.0	ND	90.8	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 8.63 " 8.00 108 50-150

Matrix Spike Dup (1943032-MSD1)

Source: P910153-01

Prepared: 10/24/19 1 Analyzed: 10/25/19 0

Benzene	4.20	0.0250	mg/kg	5.00	ND	84.1	54.3-133	1.51	20	
Toluene	4.38	0.0250	"	5.00	ND	87.6	61.4-130	1.76	20	
Ethylbenzene	4.46	0.0250	"	5.00	ND	89.1	61.4-133	1.78	20	
p,m-Xylene	8.89	0.0500	"	10.0	ND	88.9	63.3-131	1.84	20	
o-Xylene	4.48	0.0250	"	5.00	ND	89.7	63.3-131	1.85	20	
Total Xylenes	13.4	0.0250	"	15.0	ND	89.2	63.3-131	1.84	20	

Surrogate: 4-Bromochlorobenzene-PID 8.65 " 8.00 108 50-150

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Denver CO, 80202

Project Name: Rodeo 508H Spill 1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/28/19 14:10

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1943035 - DRO Extraction EPA 3570										
Blank (1943035-BLK1)				Prepared: 10/24/19 1 Analyzed: 10/25/19 0						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	59.6		"	50.0		119	50-200			
LCS (1943035-BS1)				Prepared: 10/24/19 1 Analyzed: 10/25/19 0						
Diesel Range Organics (C10-C28)	519	25.0	mg/kg	500		104	38-132			
Surrogate: n-Nonane	60.3		"	50.0		121	50-200			
Matrix Spike (1943035-MS1)				Source: P910153-01		Prepared: 10/24/19 1 Analyzed: 10/25/19 0				
Diesel Range Organics (C10-C28)	520	25.0	mg/kg	500	ND	104	38-132			
Surrogate: n-Nonane	59.6		"	50.0		119	50-200			
Matrix Spike Dup (1943035-MSD1)				Source: P910153-01		Prepared: 10/24/19 1 Analyzed: 10/25/19 0				
Diesel Range Organics (C10-C28)	529	25.0	mg/kg	500	ND	106	38-132	1.85	20	
Surrogate: n-Nonane	61.5		"	50.0		123	50-200			

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Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Rodeo 508H Spill 1
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/28/19 14:10

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1943032 - Purge and Trap EPA 5030A										
Blank (1943032-BLK1)				Prepared: 10/24/19 1 Analyzed: 10/24/19 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		"	8.00		95.6	50-150			
LCS (1943032-BS2)				Prepared: 10/24/19 1 Analyzed: 10/25/19 0						
Gasoline Range Organics (C6-C10)	52.6	20.0	mg/kg	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		"	8.00		94.5	50-150			
Matrix Spike (1943032-MS2)				Source: P910153-01		Prepared: 10/24/19 1 Analyzed: 10/25/19 0				
Gasoline Range Organics (C6-C10)	52.3	20.0	mg/kg	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		"	8.00		95.2	50-150			
Matrix Spike Dup (1943032-MSD2)				Source: P910153-01		Prepared: 10/24/19 1 Analyzed: 10/25/19 0				
Gasoline Range Organics (C6-C10)	54.0	20.0	mg/kg	50.0	ND	108	70-130	3.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		"	8.00		95.3	50-150			

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Enduring Resources, LLC	Project Name:	Rodeo 508H Spill 1	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	10/28/19 14:10

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1943034 - Anion Extraction EPA 300.0/9056A									
Blank (1943034-BLK1)					Prepared & Analyzed: 10/24/19 1				
Chloride	ND	20.0	mg/kg						
LCS (1943034-BS1)					Prepared & Analyzed: 10/24/19 1				
Chloride	255	20.0	mg/kg	250		102	90-110		
Matrix Spike (1943034-MS1)					Source: P910153-01 Prepared & Analyzed: 10/24/19 1				
Chloride	275	20.0	mg/kg	250	ND	110	80-120		
Matrix Spike Dup (1943034-MSD1)					Source: P910153-01 Prepared & Analyzed: 10/24/19 1				
Chloride	275	20.0	mg/kg	250	ND	110	80-120	0.193	20

QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Enduring Resources, LLC	Project Name:	Rodeo 508H Spill 1	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	10/28/19 14:10

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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5796 US Highway 64, Farmington, NIA 87401
24 Hour Emergency Response Phone (800) 352-1879

Ph (505) 632-1881 Fx (505) 632-1885

envirotech-inc.com
jlabadmin@envirotech-inc.com