

Incident ID	NAPP2130833627
District RP	
Facility ID	
Application ID	


## 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: Connor Walker Title: Sr. Engineer  
Signature:  Date: 1/17/2022  
email: cwalker@mewbourne.com Telephone: 806-202-5281

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: 02/08/2022  
Printed Name: Jennifer Nobui Title: Environmental Specialist A

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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?	_____ (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 <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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.

State of New Mexico  
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: Connor Walker Title: Sr. Engineer  
Signature:  Date: 1/17/2022  
email: cwalker@mewbourne.com Telephone: 806-202-5281

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

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## Release Notification

### Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2130833627
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

### Location of Release Source

Latitude 32.132701 \_\_\_\_\_ Longitude -104.092795 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CWMS San Lorenzo 12" Riser	Site Type Pipeline
Date Release Discovered 10/21/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	16	25S	28E	Eddy

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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input 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

A flanged connection developed a leak.




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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" 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: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: 10/26/2021
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>11/8/2021</u>

## \*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill:

CWMS SAN LORENZO 12 RISER

( 32.132701, -104.092795)

Date of Spill:

10/21/2021

Site Soil Type:

RA—Reagan loam, 0 to 3 percent slopes

Estimated Daily Production Loss: 0 BBL Oil 20 BBL Water

**Total Area Calculations**

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	50.0 ft	X	146.0 ft	X	0.7 in	0%
Rectangle Area #2	ft	X	ft	X	in	0%
Rectangle Area #3	ft	X	ft	X	in	0%
Rectangle Area #4	ft	X	ft	X	in	0%
Rectangle Area #5	ft	X	ft	X	in	0%
Rectangle Area #6	ft	X	ft	X	in	0%
Rectangle Area #7	ft	X	ft	X	in	0%
Rectangle Area #8	ft	X	ft	X	in	0%

Porosity 0.260 gal per gal

**Saturated Soil Volume Calculations:**

		<b>H2O</b>	<b>OIL</b>
Area #1	7,300 sq. ft.	432 cu. ft.	cu. ft.
Area #2	0 sq. ft.	cu. ft.	cu. ft.
Area #3	0 sq. ft.	cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	7,300 sq. ft.	432 cu. ft.	cu. ft.

**Estimated Volumes Spilled**

	<b>H2O</b>	<b>OIL</b>
Liquid in Soil:	20.0 BBL	0.0 BBL
Liquid Recovered :	0.0 BBL	0.0 BBL
Spill Liquid	20.0 BBL	0.0 BBL
Total Spill Liquid:	20.0	

**Recovered Volumes**

Estimated oil recovered: 0.0 BBL  
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

# Trinity Oilfield Services & Rentals, LLC



December 29, 2021

Oil Conservation Division, District 2  
811 South First Street,  
Artesia, New Mexico 88210

Re: **Closure Request**  
**CWMS San Lorenzo 12 Inch Riser**  
**Tracking #: NAPP2130833627**

Trinity Oilfield Services (Trinity), on behalf of Mewbourne Oil Co. (Mewbourne), hereby submits the following Closure Request in response to a release that occurred at the above referenced location, and further described below.

Site Information	
Incident ID	NAPP2130833627
Site Name	CWMS San Lorenzo 12 Inch Riser
Company	Mewbourne Oil Co.
County	Eddy County, NM
ULSTR	Unit Ltr. F, Sect. 16, T25S, R28E
GPS Coordinates (NAD 83)	32.132701, -104.09279
Landowner	State of NM

## BACKGROUND AND RELEASE CHARACTERIZATION

On 10/21/2021, Mewbourne reported a release at the CWMS San Lorenzo 12 Inch Riser location. The release was caused when a 12 inch High Density Polyethylene riser developed at a flanged connection allowing water to flow into the surrounding pasture. Approximately 20 bbls of produced water was estimated to be lost at the leaking flange. None of the produced water was recovered. Approximately 4,000 square feet sq. ft. of the pasture was affected.

Release Information	
Date of Release	10/21/2021
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	Approximately 20 bbls
Volume Recovered – Produced Water	Approximately 0 bbls
Affected Area	Pasture - Approximately 4,000 sq. ft.
Site Location Map	Figure 1

## SITE INFORMATION AND CLOSURE CRITERIA

### Depth to Groundwater/Wellhead Protection:

Data Source	Well Number	Data Date	Depth (ft.)
NMOSE	NA	NA	NA
USGS	NA	NA	NA

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE)

and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a 1/2 mile of the release site. The search revealed that no wells occurred in the data bases that meets the NMOCD criteria for age of data, distance of the data point well from the release point and a data point well having a diagram of construction. The closure criteria for this location set at the most restrictive limit (600 chlorides, etc.) for a location with a depth to groundwater less than or equal to 50 feet bgs due to its location within a medium karst area.

#### General Site Characterization and Distance to Nearest Significant Watercourse:

Site Characterization	Distance to Nearest Watercourse
Medium Karst	> than 1,000 feet (Riverine within 500')

A risk-based site assessment/characterization was performed in accordance with the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the site assessment/characterization evaluation, the affected area has medium potential for cave and karst, but no other water bodies (water wells, playas, sink holes, springs, water courses, lake beds, wetlands) or receptors (residence, school, hospital, institution, church, mining, municipal or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

#### Closure Criteria:

Pasture   Recommended Remedial Action Levels (RRALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

#### DELINEATION AND REMEDIATION ACTIVITES

##### Initial Sample Activities:

Delineation Summary	
Delineation Dates	10/28/2021 – 11/08/2021
Sample Locations	SP1 – SP5
Total Initial Samples	15
Depths Sampled	1 to 4 ft bgs.
Delineation Map	Figure 2
Laboratory Results	Table 1

A total of five (5) delineation sample points (SP-1 through SP-5) in the pasture were investigated to depths ranging between 1 ft and 4 ft bgs using a hand auger or backhoe. A total of fifteen (15) samples were collected for laboratory analysis during the initial delineation of the site.

All soil samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to NMOCD-approved laboratory (Cardinal Laboratories of Hobbs, NM) for the analysis of chloride using Method SM4500 Cl-B, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA Method 8021 B and Total Petroleum Hydrocarbon (TPH) constituents the by EPA 8015M.

##### Remediation Activities:

Remediation Summary	
Remediation Dates	11/9/2021 – 11/11/2021
Liner Variance Request	None
Deferral Request	None
Depths Excavated	6" – 6'
Area Represented by the required 5-point confirmation samples	200 sqFt
Total Volume of Excavated Soil	656 Yards
Remediation Map	Figure 3
Laboratory Results	Table 1

Impacted soil within the release margins were excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. The sidewalls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the NMOCD Closure Criteria listed in the Table above. Confirmation soil samples (five-point composites representing no more than 200 ft<sup>2</sup> of the excavated area) were collected from the floor and sidewalls.

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria; the impacted soil was transported under manifest to a NMOCD-approved disposal facility (R-360, Permit Number: WM-01-006 New Mexico) and the excavated area was backfilled with locally sourced, non-impacted "like" material.

## **SITE RECLAMATION AND RESTORATION**

The area affected by the release and the associated remediation activities were restored to a condition which existed prior to the release to the extent practicable. The affected area was compacted to provide erosion control and stability for production pad operations.

## **REQUEST FOR CLOSURE**

The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC where dept to groundwater is less than or equal to 50 feet bgs. Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the referenced release.

<b>Supporting Documentation</b>	
Initial C-141 with Spill Calculations	Signed and Attached
C-141, page 3, 4 & 6	Signed and Attached
Depth to Groundwater Maps and Source	Attached
Delineation & Remediation Maps	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

Should you have any questions or concerns regarding the content of this Closure Request, please do not hesitate to contact me.

Sincerely,

John P. Farrell P.G.  
Project Manager



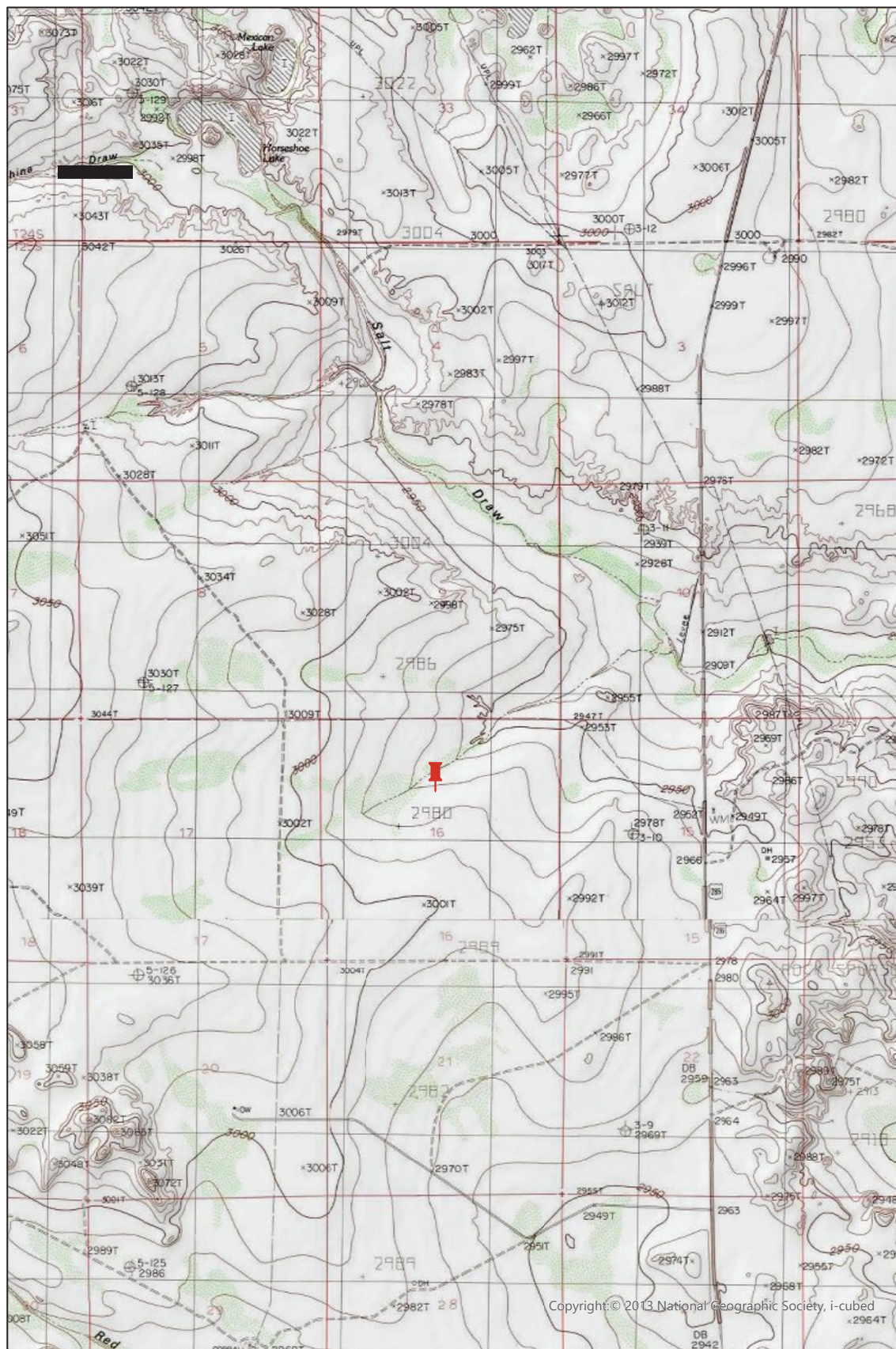
**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**MEWBOURNE OIL COMPANY**  
**CWMS SAN LORENZO 12 RISER**  
**EDDY COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2130833627**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500CI-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/Kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/Kg)	GRO+ DRO (mg/kg)	MRO C <sub>28</sub> -C <sub>36</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
PD-1 @ 4'	4'	10/28/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,440
PD-2 @ 4'	4'	10/28/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
PD-3 @ 1'	1'	10/28/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PD-4 @ 1'	1'	10/28/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PD-5 @ 1'	1'	10/28/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SP-1 S @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SP-1 E @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP-1 W @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SP-2 E @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP-2 W @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SP-3 E @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP-3 W @ 1'	1'	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SP-4 Vertical @ Surface	Surface	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP-5 Vertical @ Surface	Surface	11/8/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PR-1 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
PR-2 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-3 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PR-4 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PR-5 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PR-6 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PR-7 Vertical @ 6"	6"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
PR-8 Vertical @ 4'	4'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PR-9 Vertical @ 4'	4'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-10 Vertical @ 4'	4'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-11 Vertical @ 4'	4'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-12 Vertical @ 4'	4'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-13 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PR-14 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-15 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-16 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-17 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-18 Vertical @ 6'	6'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-1,2,3 N @ 3"	3"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
PR-1,5,7 W @ 3"	3"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
PR-3,4,6 E @ 3"	3"	11/9/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
PR-8,9,11 W @ 2'	2'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-8,10,12 E @ 2'	2'	11/10/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PR-13 W @ 3'	3'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-15 E @ 3'	3'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-16 SW @ 3'	3'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-17,18 S @ 3'	3'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PR-18 E @ 3'	3'	11/11/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

Concentrations in **BOLD** exceed the NMOCD Closure Limit



**Legend:**

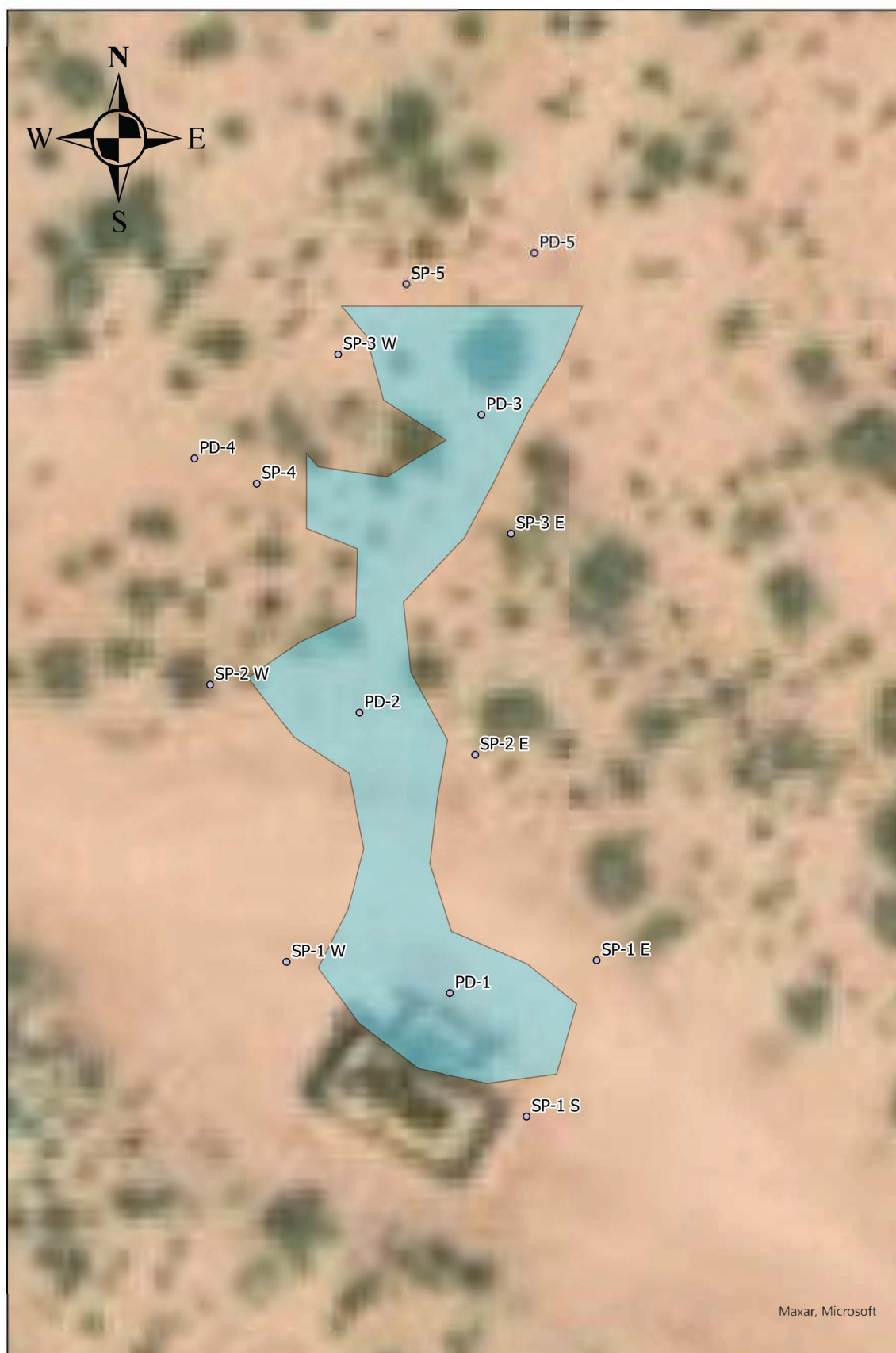
 Site Location


**Figure 1**  
**Site Location Map**  
**Mewbourne Oil Company**  
**CWMS San Lorenzo 12**  
**Inch Riser**  
**Eddy County, New Mexico**  
**NMOC Reference #**  
**NAPP2130833627**

0 0.28 0.55 1.1 Miles

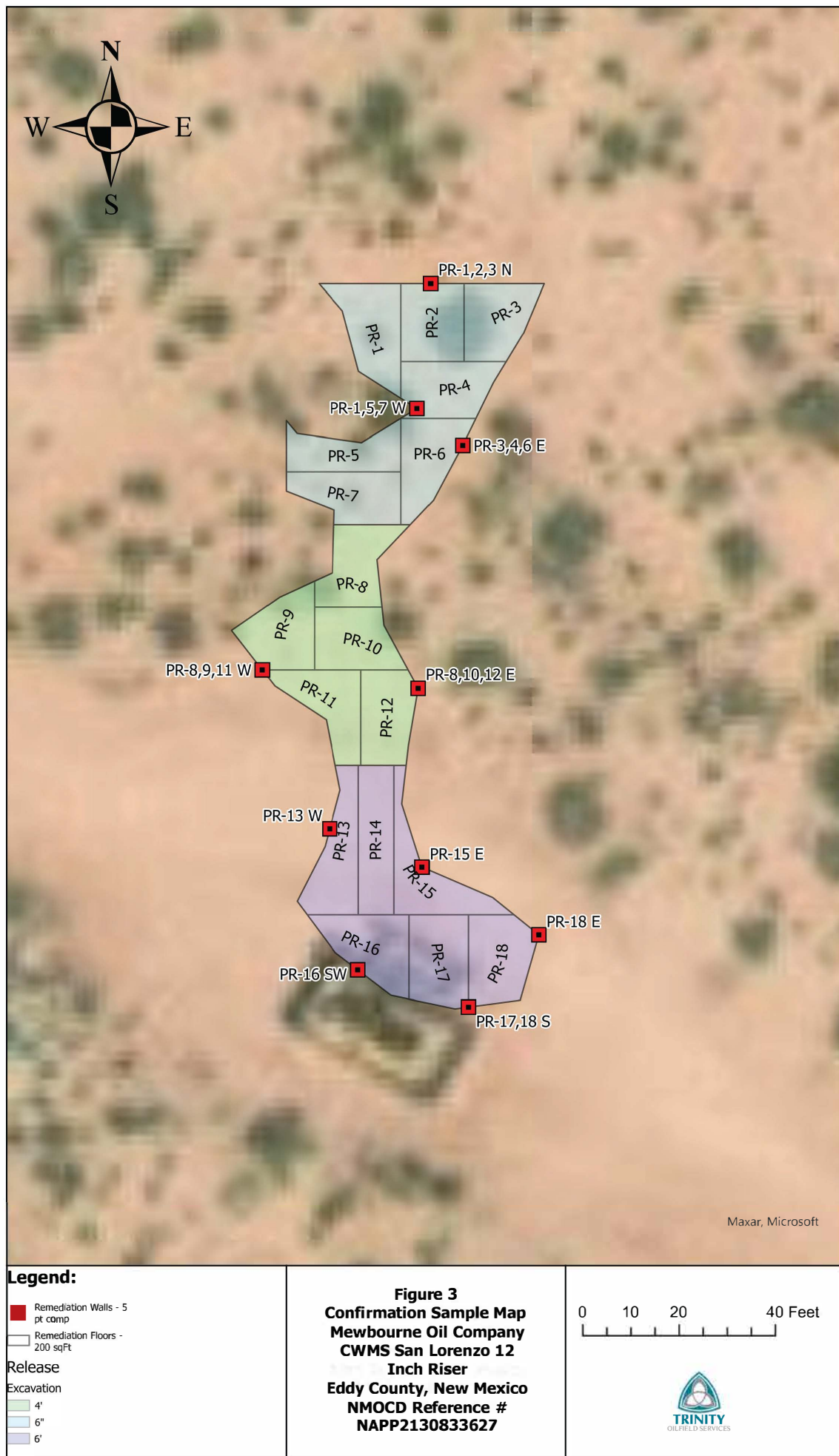






<b>Legend:</b> <ul style="list-style-type: none"><li>○ Delineation</li><li>■ Release</li></ul>	<b>Figure 2</b> <b>Delineation Sample Map</b> <b>Mewbourne Oil Company</b> <b>CWMS San Lorenzo 12</b> <b>Inch Riser</b> <b>Eddy County, New Mexico</b> <b>NMOC Reference #</b> <b>NAPP2130833627</b>	<p>0 10 20 40 Feet</p> 
---	---	--







**NAPP2130833627 | CWMS San Lorenzo 12 INCH RISER**  
**Delineation GPS Location**

Name	Lat	Long
PD-1	32.13274590	-104.09277566
PD-2	32.13287192	-104.09282361
PD-3	32.13300564	-104.09275912
PD-4	32.13298603	-104.09291124
PD-5	32.13307845	-104.09273102
SP-1 S	32.13269060	-104.09273515
SP-1 W	32.13275990	-104.09286247
SP-1 E	32.13276060	-104.09269795
SP-2 W	32.13288452	-104.09290298
SP-2 E	32.13285302	-104.09276243
SP-3 W	32.13303294	-104.09283518
SP-3 E	32.13295243	-104.09274342
SP-4	32.13297483	-104.09287817
SP-5	32.13306444	-104.09279881

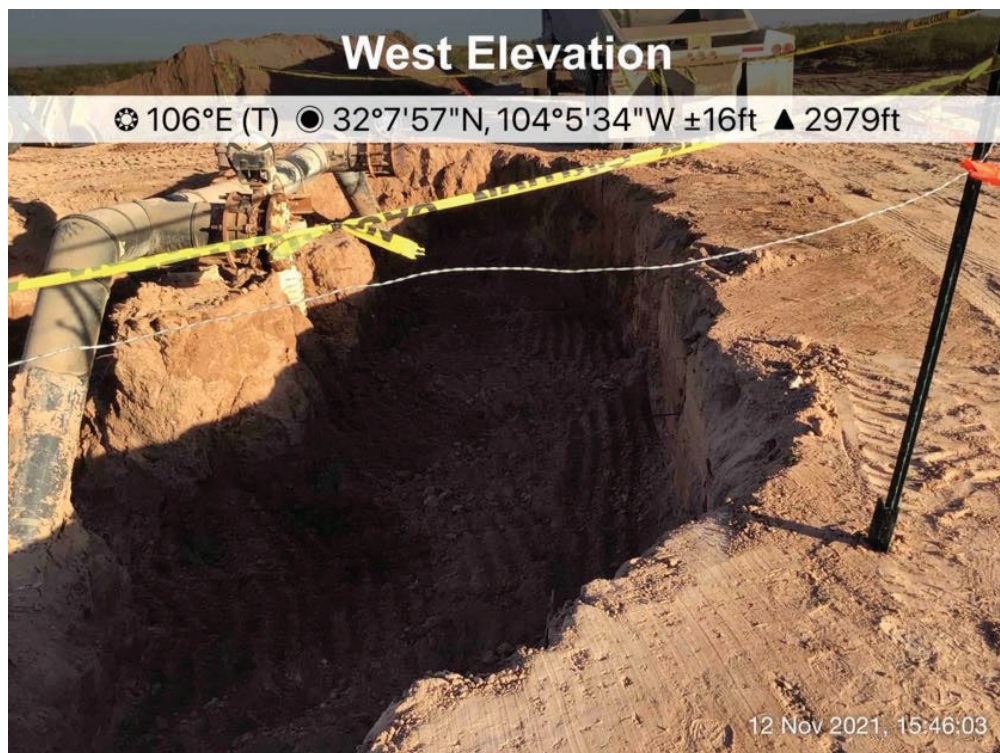


## Excavation

North:



West:

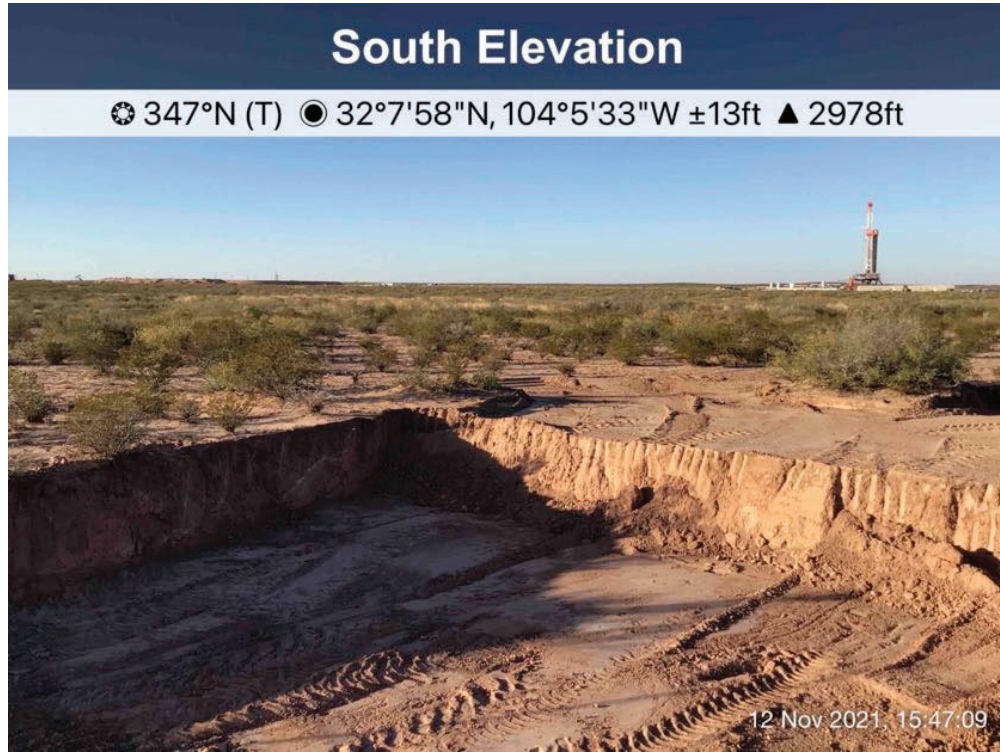




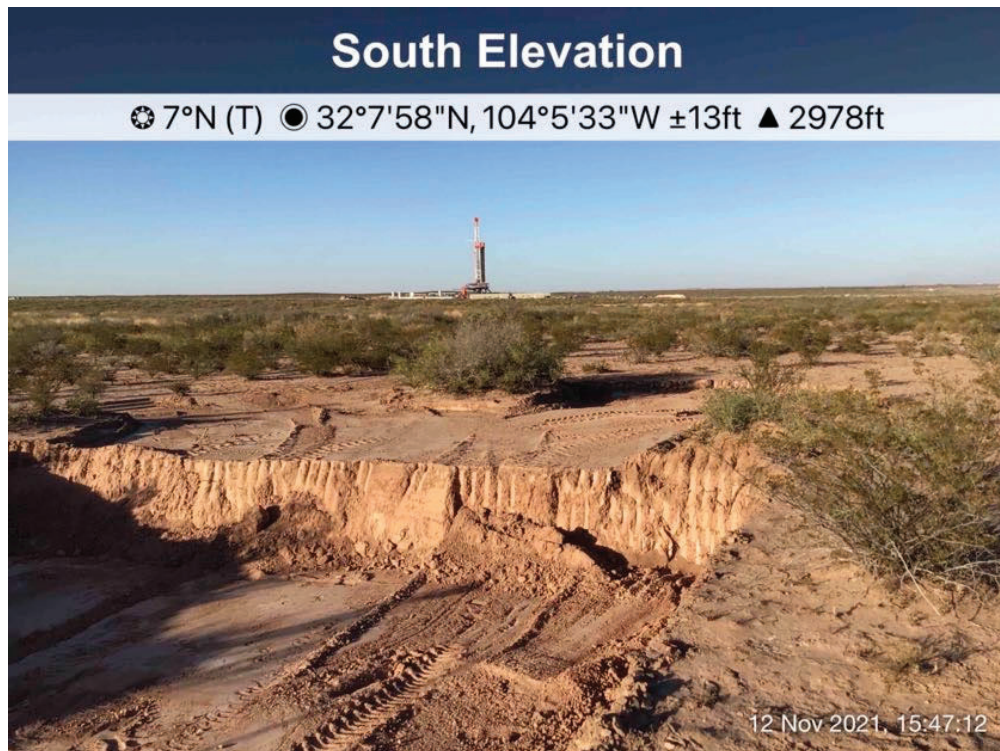


## Excavation

South:



South:





## Excavation

East:



South:







## Backfill

Southwest:

### South West Elevation

☼ 25°NE (T) ● 32°8'3"N, 104°5'33"W ±656ft ▲ 2976ft



South:

### South Elevation

☼ 359°N (T) ● 32°8'0"N, 104°5'33"W ±200ft ▲ 2973ft





## Backfill

Southeast:

### South East Elevation

☼ 326°NW (T) ● 32°7'58"N, 104°5'34"W ±22ft ▲ 2977ft



South:

### South Elevation

☼ 18°N (T) ● 32°7'58"N, 104°5'34"W ±13ft ▲ 2977ft







## Backfill

North:



East:







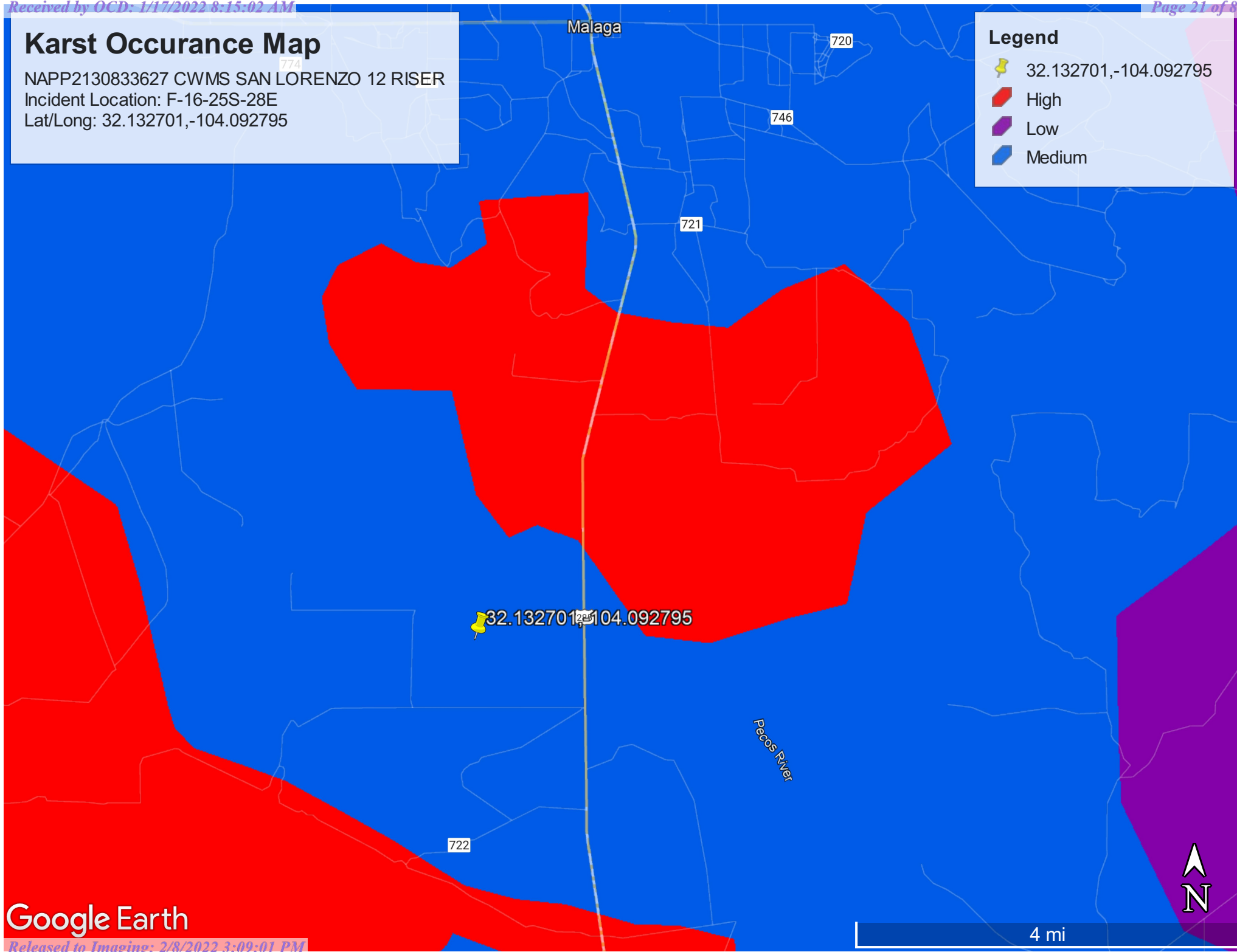


# Karst Occurance Map

NAPP2130833627 CWMS SAN LORENZO 12 RISER  
Incident Location: F-16-25S-28E  
Lat/Long: 32.132701,-104.092795

## Legend

-  32.132701,-104.092795
-  High
-  Low
-  Medium





1/2 Mile Buffer | NAPP2130833627



1/10/2022, 2:40:22 PM

GIS WATERS PODs

- Active
- OSE District Boundary
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar





NAPP2130833627 | CWMS SAN LORENZ



January 10, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

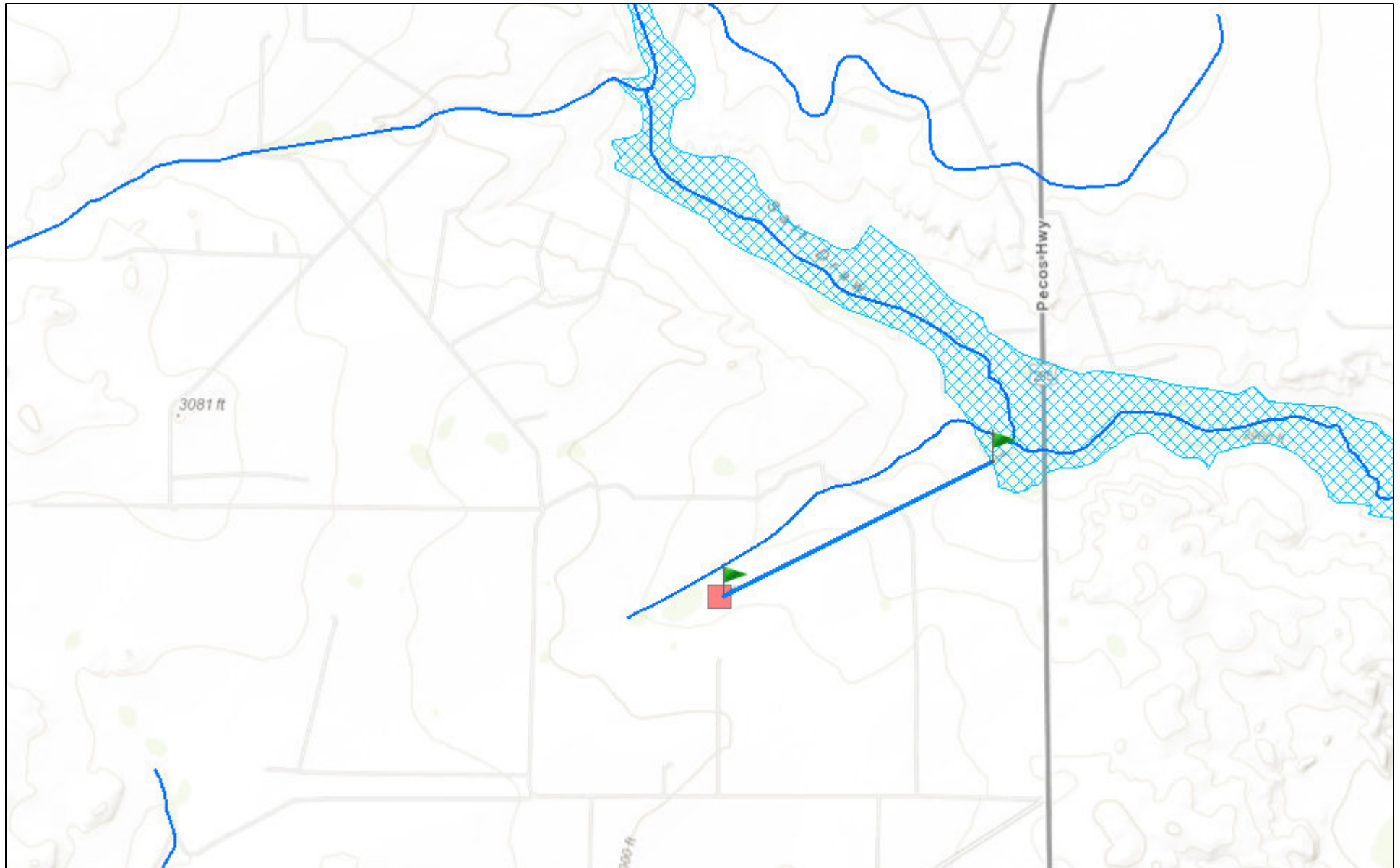
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

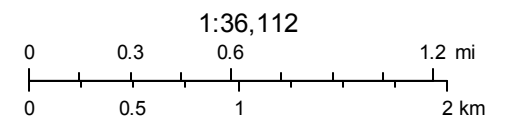
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# New Mexico NFHL Data

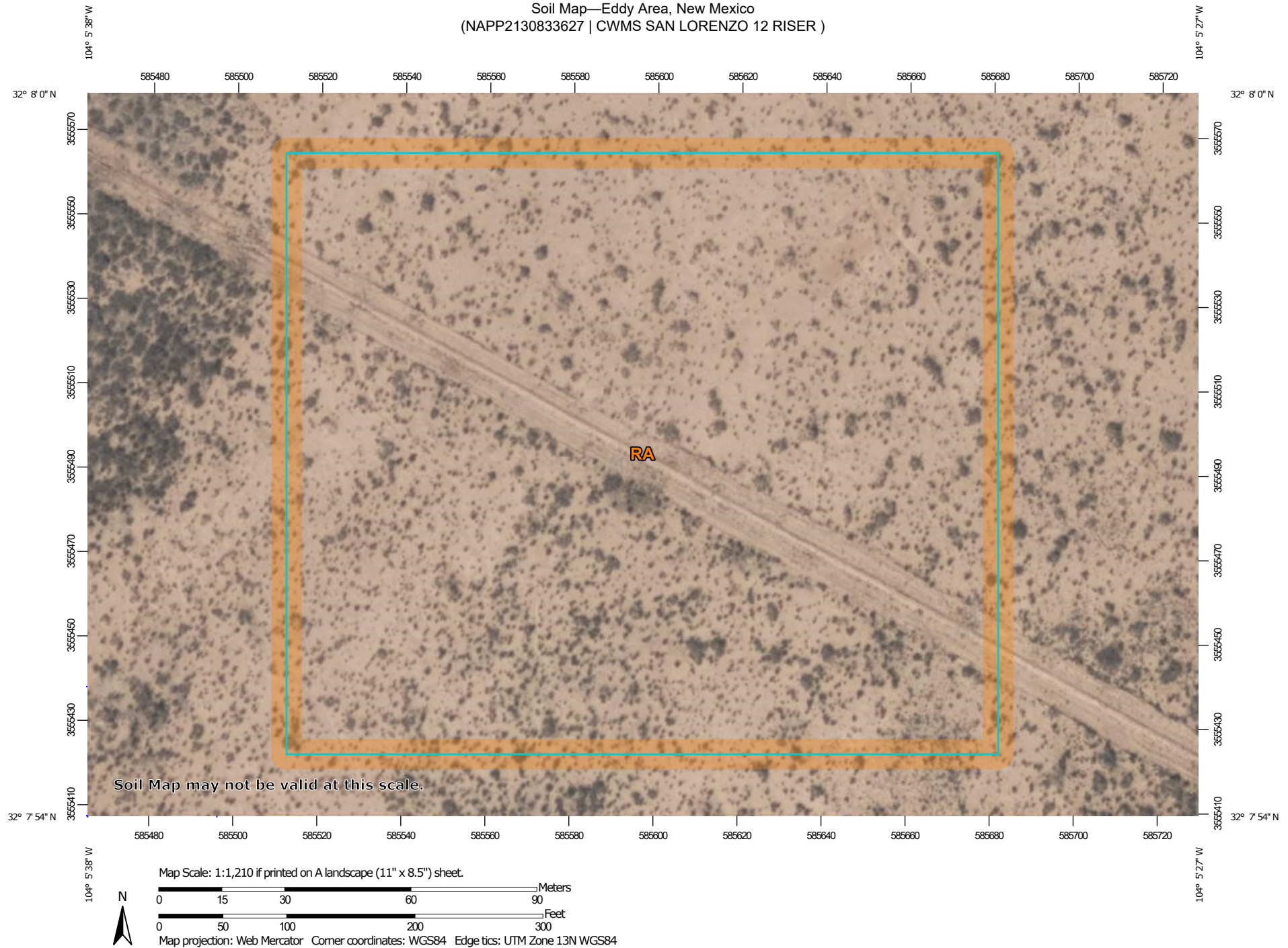


January 10, 2022



FEMA  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

Soil Map—Eddy Area, New Mexico  
(NAPP2130833627 | CWMS SAN LORENZO 12 RISER )



Natural Resources  
Conservation Service


Web Soil Survey  
National Cooperative Soil Survey

1/10/2022  
Page 1 of 3

Soil Map—Eddy Area, New Mexico  
(NAPP2130833627 | CWMS SAN LORENZO 12 RISER )


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RA	Reagan loam, 0 to 3 percent slopes	6.0	100.0%
Totals for Area of Interest		6.0	100.0%





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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November 04, 2021

JOHN FARRELL

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: CWMS 12" RISER

Enclosed are the results of analyses for samples received by the laboratory on 11/02/21 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/02/2021	Sampling Date:	10/28/2021
Reported:	11/04/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PD - 1 @ 4' (H213090-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2021	ND	2.08	104	2.00	8.16	QR-03
Toluene*	<0.050	0.050	11/03/2021	ND	1.99	99.6	2.00	7.94	QR-03
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.04	102	2.00	7.32	QR-03
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.24	104	6.00	7.13	
Total BTX	<0.300	0.300	11/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	11/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2021	ND	210	105	200	2.73	
DRO >C10-C28*	<10.0	10.0	11/03/2021	ND	216	108	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/03/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/02/2021	Sampling Date:	10/28/2021
Reported:	11/04/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PD - 2 @ 4' (H213090-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2021	ND	2.08	104	2.00	8.16	
Toluene*	<0.050	0.050	11/03/2021	ND	1.99	99.6	2.00	7.94	
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.04	102	2.00	7.32	
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.24	104	6.00	7.13	
Total BTEx	<0.300	0.300	11/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	11/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2021	ND	210	105	200	2.73	
DRO >C10-C28*	<10.0	10.0	11/03/2021	ND	216	108	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/03/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/02/2021	Sampling Date:	10/28/2021
Reported:	11/04/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PD - 3 @ 1' (H213090-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2021	ND	2.08	104	2.00	8.16	
Toluene*	<0.050	0.050	11/03/2021	ND	1.99	99.6	2.00	7.94	
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.04	102	2.00	7.32	
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.24	104	6.00	7.13	
Total BTEx	<0.300	0.300	11/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2021	ND	210	105	200	2.73	
DRO >C10-C28*	<10.0	10.0	11/03/2021	ND	216	108	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/03/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/02/2021	Sampling Date:	10/28/2021
Reported:	11/04/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PD - 4 @ 1' (H213090-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2021	ND	1.98	99.2	2.00	0.299		
Toluene*	<0.050	0.050	11/03/2021	ND	2.01	100	2.00	0.0376		
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.02	101	2.00	2.83		
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.05	101	6.00	4.16		
Total BTEx	<0.300	0.300	11/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2021	ND	210	105	200	2.73	
DRO >C10-C28*	<10.0	10.0	11/03/2021	ND	216	108	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/03/2021	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/02/2021	Sampling Date:	10/28/2021
Reported:	11/04/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PD - 5 @ 1' (H213090-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2021	ND	1.98	99.2	2.00	0.299		
Toluene*	<0.050	0.050	11/03/2021	ND	2.01	100	2.00	0.0376		
Ethylbenzene*	<0.050	0.050	11/03/2021	ND	2.02	101	2.00	2.83		
Total Xylenes*	<0.150	0.150	11/03/2021	ND	6.05	101	6.00	4.16		
Total BTEx	<0.300	0.300	11/03/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/03/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2021	ND	210	105	200	2.73	
DRO >C10-C28*	<10.0	10.0	11/03/2021	ND	216	108	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/03/2021	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

[illegible]



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November 17, 2021

JOHN FARRELL

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: CWMS 12" RISER

Enclosed are the results of analyses for samples received by the laboratory on 11/15/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 1 VERTICAL @ 1' (H213254-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	
Total BTEX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/17/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/17/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 1 S @ 1' (H213254-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	
Total BTEx	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 1 E @ 1' (H213254-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/17/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 1 W @ 1' (H213254-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32		
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64		
Total BTEX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 2 E @ 1' (H213254-05)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/17/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	236	118	200	1.29	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	222	111	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 2 W @ 1' (H213254-06)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	236	118	200	1.29	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	222	111	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 3 E @ 1' (H213254-07)**

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	236	118	200	1.29		
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	222	111	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND						

Surrogate: 1-Chlorooctane 94.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 3 W @ 1' (H213254-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	236	118	200	1.29	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	222	111	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 4 VERTICAL @ 0 SURFACE (H213254-09)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/08/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: SP - 5 VERTICAL @ 0 SURFACE (H213254-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTEX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 1 VERTICAL @ 6" (H213254-11)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 2 VERTICAL @ 6" (H213254-12)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 3 VERTICAL @ 6" (H213254-13)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 4 VERTICAL @ 6" (H213254-14)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 5 VERTICAL @ 6" (H213254-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 68.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 6 VERTICAL @ 6" (H213254-16)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 67.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 7 VERTICAL @ 6" (H213254-17)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 1,2,3 N @ 3" (H213254-18)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57		
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 1,5,7 W @ 3" (H213254-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/09/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 3,4,6 E @ 3" (H213254-20)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 8 VERTICAL @ 4' (H213254-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 9 VERTICAL @ 4' (H213254-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 10 VERTICAL @ 4' (H213254-23)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38	
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13	
Total BTEx	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 11 VERTICAL @ 4' (H213254-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38	
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 12 VERTICAL @ 4' (H213254-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 8,9,11 W @ 2' (H213254-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/10/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 8,10,12 E @ 2' (H213254-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 13 VERTICAL @ 6' (H213254-28)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	220	110	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	200	99.9	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 14 VERTICAL @ 6' (H213254-29)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 15 VERTICAL @ 6' (H213254-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 74.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 16 VERTICAL @ 6' (H213254-31)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38	
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13	
Total BTX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 17 VERTICAL @ 6' (H213254-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 18 VERTICAL @ 6' (H213254-33)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 13 W @ 3' (H213254-34)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 66.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 15 E @ 3' (H213254-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 16 SE @ 3' (H213254-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTEx	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 65.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 17,18 S @ 3' (H213254-37)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38		
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86		
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36		
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13		
Total BTX	<0.300	0.300	11/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 JOHN FARRELL  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	11/15/2021	Sampling Date:	11/11/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	CWMS 12" RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: PR - 18 E @ 3' (H213254-38)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.38	
Toluene*	<0.050	0.050	11/16/2021	ND	1.96	98.0	2.00	1.86	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	3.36	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.82	97.0	6.00	3.13	
Total BTEx	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/17/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	168	83.8	200	13.5	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	163	81.6	200	15.9	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 70.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

[illegible]



Page 42 of 44



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		P.O. #:		BILL TO		ANALYSIS REQUEST																																	
Project Manager: John Farrell		Company:		Mewbourne Oil Co.																																			
Address: 8426 N Dal Paso		Attn:		Robbie Runnels																																			
City: Hobbs		State: NM		Zip: 88241																																			
Phone #: 575 390 7560		Fax #:		701 S Cecil st																																			
Project #:		Project Owner: (see below)		City: Hobbs																																			
Project Name: CWMMS		john@trinityoilfieldservices.com		State: NM		Zip: 88240																																	
Project Location: Eddy Co		Phone #:																																					
Sampler Name: Granville Ramsey		Fax #:																																					
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																																	
Lab I.D. <u>H213254</u>		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX							
Sample I.D.		PR-8 Vertical @ 4'		C 1		X																		11/10/2021		9:00		X		X		X							
		PR-9 Vertical @ 4'		C 1		X																		11/10/2021		9:05		X		X		X							
		PR-10 Vertical @ 4'		C 1		X																		11/10/2021		9:10		X		X		X							
		PR-11 Vertical @ 4'		C 1		X																		11/10/2021		9:15		X		X		X							
		PR-12 Vertical @ 4'		C 1		X																		11/10/2021		9:20		X		X		X							
		PR-8,9,11 W @ 2'		C 1		X																		11/10/2021		9:25		X		X		X							
		PR-8,10,12 E @ 2'		C 1		X																		11/10/2021		9:30		X		X		X							
		PR-13 Vertical @ 6'		C 1		X																		11/11/2021		9:00		X		X		X							
		PR-14 Vertical @ 6'		C 1		X																		11/11/2021		9:05		X		X		X							
		PR-15 Vertical @ 6'		C 1		X																		11/11/2021		9:10		X		X		X							
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.		Relinquished By: <u>[Signature]</u>		Date: <u>11-15-21</u>		Received By: <u>[Signature]</u>		Date: <u>11-15-21</u>		Time: <u>16:25</u>		REMARKS:		Turnaround Time:		Standard <u>Rush</u>		Bacteria (only) Sample Condition		Observed Temp. °C		Corrected Temp. °C																	
Relinquished By:		Date:		Time:		Received By:		Date:		Time:		REMARKS:		Turnaround Time:		Standard		Bacteria (only) Sample Condition		Observed Temp. °C		Corrected Temp. °C																	
Delivered By: (Circle One)		Observed Temp. °C <u>2.7</u>		Sample Condition		CHECKED BY: (Initials) <u>AD</u>		Turnaround Time:		Standard		Bacteria (only) Sample Condition		Observed Temp. °C		Corrected Temp. °C																							
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>2.2</u>		Cool Intact				Thermometer ID #113		Correction Factor - 0.5 °C																													

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com



[illegible]

**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 72792

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 72792
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Going forward, OCD requires copies of all notifications in report, including final sampling notifications, 19.15.29.12.D(1)(a) NMAC.	2/8/2022