

Incident ID	NAPP2201859426
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: 2/16/2022
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: 03/04/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

Incident ID	NAPP2201859426
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>175</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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


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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2201859426
District RP	
Facility ID	
Application ID	

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: 2/16/2022
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: _____ Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: DELAWARE RANCH 11 W2NC FEE #1H BATTERY (32.050382,-104.06142)Date of Spill: 1/6/2022Site Soil Type: RA—Reagan loam, 0 to 3 percent slopesEstimated Daily Production Loss: 8 BBL Oil 0 BBL Water**Total Area Calculations**

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	32.0 ft	X	41.0 ft	X	1.7 in	100%
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 0.250 gal per gal**Saturated Soil Volume Calculations:**

		<u>H2O</u>	<u>OIL</u>
Area #1	1,312 sq. ft.	cu. ft.	180 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:	1,312 sq. ft.	cu. ft.	180 cu. ft.

Estimated Volumes Spilled

	<u>H2O</u>	<u>OIL</u>
Liquid in Soil:	0.0 BBL	8.0 BBL
Liquid Recovered :	0.0 BBL	0.0 BBL
Spill Liquid	0.0 BBL	8.0 BBL
Total Spill Liquid:	8.0	

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



February 16, 2022

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

Re: **Closure Request**
Delaware Ranch 11 W2NC Fee #1H Battery
Tracking #: NAPP2201859426

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	NAPP2201859426
Site Name	Delaware Ranch 11 W2NC Fee #1H Battery
Company	Mewbourne Oil Co.
County	Eddy County, NM
ULSTR	N-11-26S-28E
GPS Coordinates (NAD 83)	32.050382, -104.06142
Landowner	Private

BACKGROUND AND RELEASE CHARACTERIZATION

On 01/07/2022, Mewbourne reported a release at the Delaware Ranch 11 W2NC Fee #1H Battery. The release was caused when a gas supply to heater treater froze, causing heater treater to flood and send oil to the flare. Approximately 1,000 ft² of the pad was found to be affected upon initial inspection.

Release Information	
Date of Release	01/06/2022
Type of Release	Crude Oil
Source of Release	Equipment Failure
Volume Released – Crude Oil	Approximately 8 bbls
Volume Recovered – Crude Oil	Approximately 0 bbls
Affected Area – Damp Soil	Pad - Approximately 1,000 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	C 04022 POD1	06/05/2017	175
NMOSE	C 02160 S3	05/01/1960	120
NMOSE	C 02160 S4	07/01/1960	120
NMOSE	C 02160 S5	09/01/1960	120
NMOSE	C 02160 S	01/01/1960	120
NMOSE	C 02160 S2	03/01/1960	120
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 one (1) well 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.

General Site Characterization and Distance to Nearest Significant Watercourse:

Site Characterization	Distance to Nearest Watercourse
Medium Karst	> than 1,000 feet

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.

Regulatory Framework:

Pad - Recommended Remedial Action Levels (RRALs)	
Chlorides	20,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

DELINEATION AND REMEDIATION ACTIVITIES

Initial Sample Activities:

Delineation Summary	
Delineation Dates	01/13/2022
Sample Locations	SD-1
Total Initial Samples	7
Depths Sampled	Surface to 1 ft bgs.
Delineation Map	Figure 2
Laboratory Results	Table 1

A total of One (1) delineation sample point (PD-1) on the pad were investigated to depths ranging between Surface and 1 ft bgs using a hand auger or backhoe. A total of Seven (7) 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	1/14/2022 – 2/08/2022
Confirmation Sample Notification	email on 1/20/2022 (Attached)
Liner Variance Request	None
Deferral Request	None
Depths Excavated	1 ft
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqFt
Total Volume of Excavated Soil	1,000 yds
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 ft² 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

Areas 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 contoured and/or compacted to provide erosion control, stability and preservation of surface water flow. Affected areas not on production pads and/or lease roads will be reseeded with a prescribed US Bureau of Land Management seed mixture during the first favorable growing season following closure of the site in accordance with the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Documentation	
Initial C-141 with Spill Calculations	Signed and Attached
C-141, page 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

The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC; therefore, Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the referenced release.

Sincerely,

Dan Dunkelberg
Project Manager

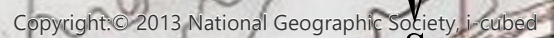


TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY
DELAWARE RANCH 11 W2NC # 1H
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2201859426

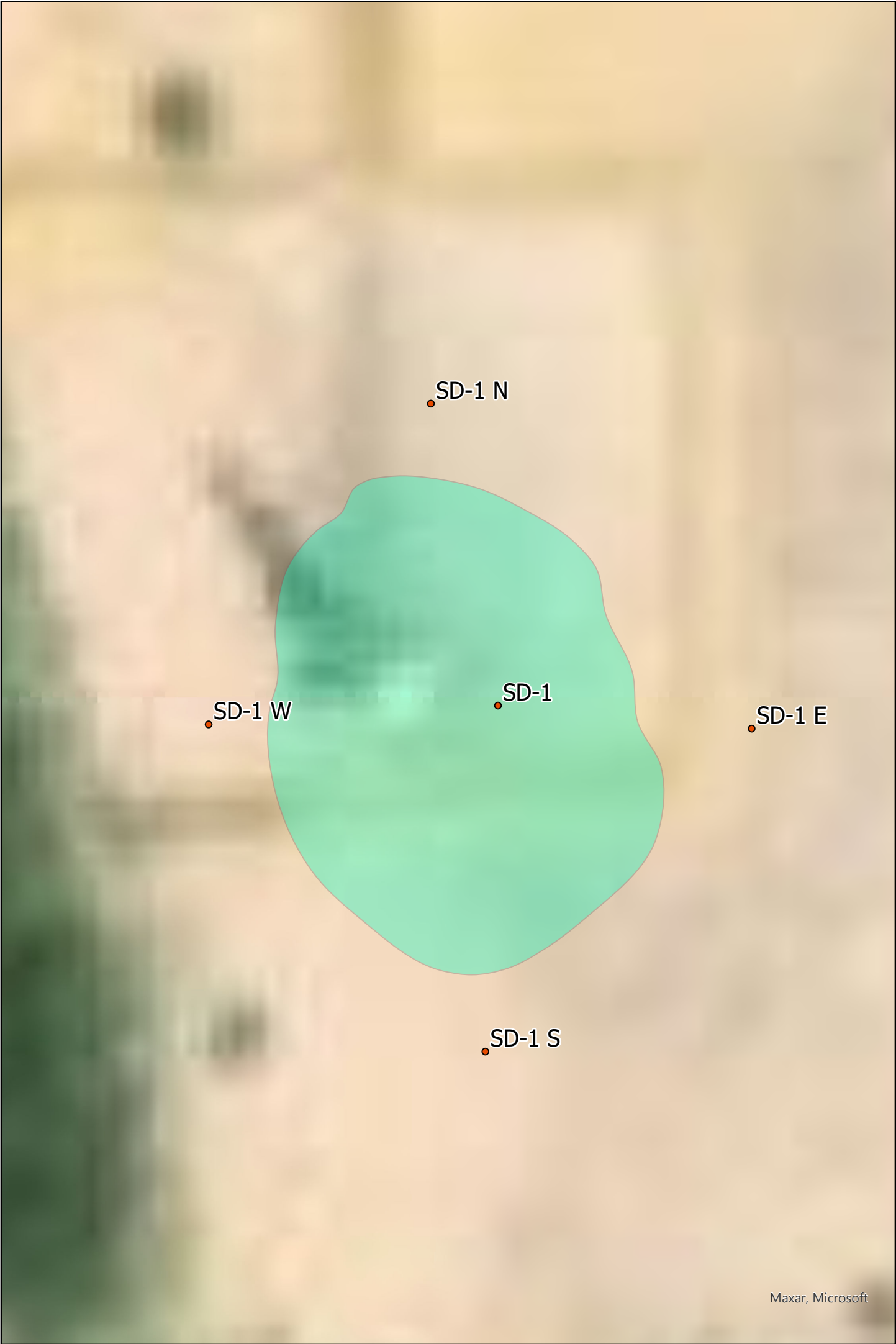
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500CI-B	
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000		
SD-1 Vertical @ 1'	1'	1/13/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	68.20	68.20	<10.0	68.20	48	
SD-1 N @ 1'	1'	1/13/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	60.4	60.4	<10.0	60.4	32	
SD-1 E @ 1'	1'	1/13/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	151	151	27.1	178.1	48	
SD-1 E @ 1'	1'	2/8/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224	
SD-1 W @ 1'	1'	1/13/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	102	102	22	124	48	
SD-1 W @ 1'	1'	2/8/2022	Grab	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
SD-1 S @ 1'	1'	1/13/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	63.7	63.7	11	74.7	32	
SR-1 Vertical @ 1'	1'	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	56.3	56.3	<10.0	56.3	32	
SR-2 Vertical @ 1'	1'	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	101	101	18.1	119.1	32	
SR-3 Vertical @ 1'	1'	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	145	145	28.1	173.1	32	
SR-4 Vertical @ 1'	1'	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	82.9	82.9	15.2	98.1	32	
SR-5 Vertical @ 1'	1'	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	78.7	78.7	13.6	92.3	48	
SR-1,2 S @ 6"	6"	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	170	170	35.6	205.6	48	
SR-1,2 S @ 6"	6"	2/8/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
SR-3,4,5 N @ 6"	6"	1/14/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	108	108	37.7	145.7	32	
SR-3,4,5 N @ 6"	6"	2/8/2022	Comp	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	53	<10.0	<10.0	53.0	208	

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



★ Site Location





Maxar, Microsoft

Legend



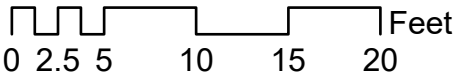
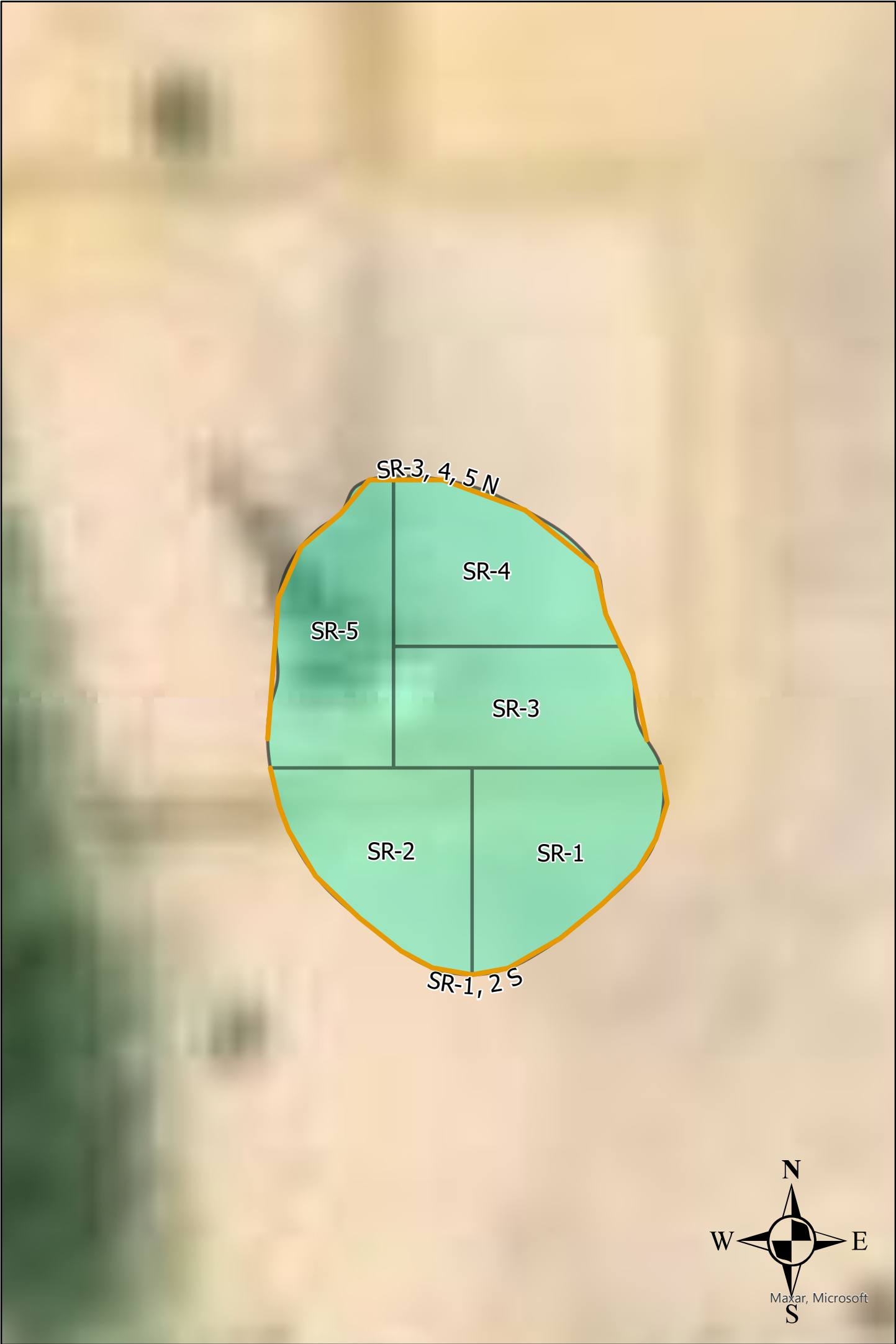
-  Delineation
-  Release Area

Figure 2
Site Delineation Map
Mewbourne Oil Co.
Delaware Ranch 11 W2NC #1H
Eddy County, New Mexico
NMOCD Reference #
NAPP2201859426

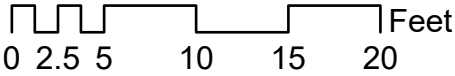




Legend

- Remediation Walls
- Remediation Floors - 200 sqFt.
- Release Area

Figure 3
Site Remediation Map
Mewbourne Oil Co.
Delaware Ranch 11 W2NC #1H
Eddy County, New Mexico
NMOCD Reference #
NAPP2201859426





Excavation

Pad:

East Elevation

☼ 290°W (T) ● 32°2'59"N, 104°3'42"W ±16ft ▲ 2976ft



Pad:

South East Elevation

☼ 305°NW (T) ● 32°2'59"N, 104°3'43"W ±13ft ▲ 2976ft





Excavation

Pad:

North Elevation

☀ 185°S (T) ● 32°3'0"N, 104°3'43"W ±13ft ▲ 2976ft



Pad:

North West Elevation

☀ 117°SE (T) ● 32°3'0"N, 104°3'43"W ±9ft ▲ 2977ft





Excavation

Pad:



Pad:





Excavation

Pad:



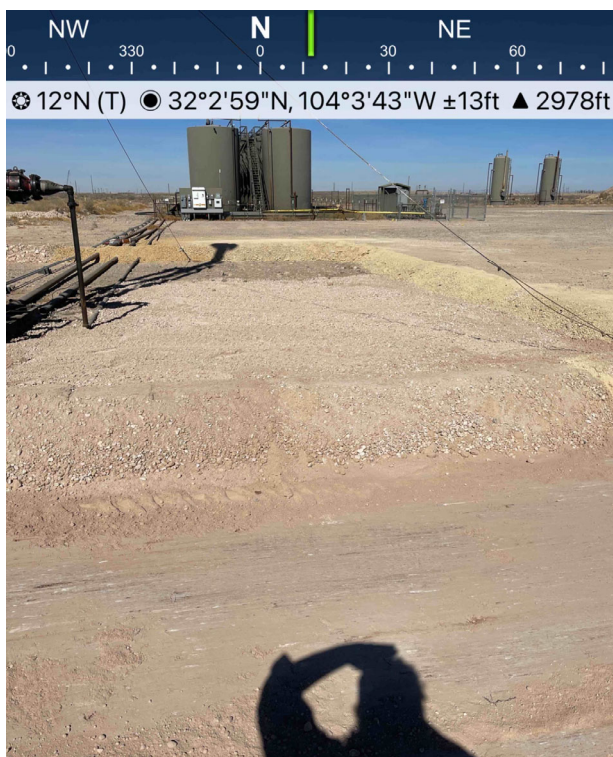
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Backfill

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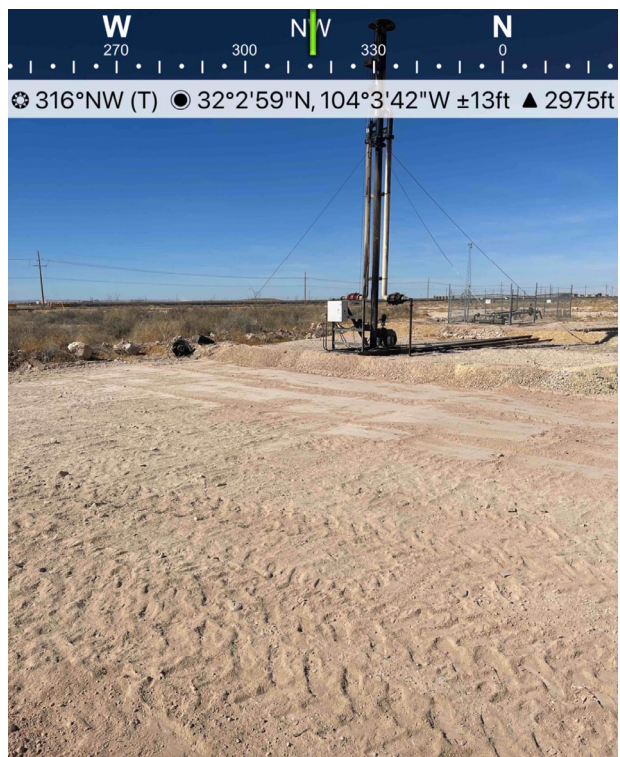
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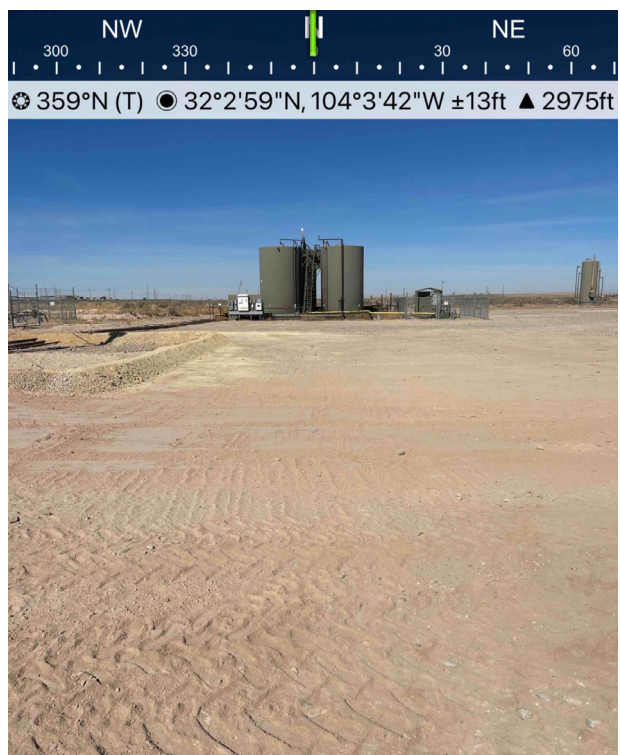


Backfill

Pad:



Pad:





NAPP2201859426 | DELAWARE RANCH 11 W2NC FEE #1H BATTERY
Delineation GPS Location

Name	Lat	Long
SD-1	32.0499872	104.0619912
SD-1 N	32.0500484	104.0620072
SD-1 S	32.049917	104.0619942
SD-1 W	32.0499833	104.0620604
SD-1 E	32.0499825	104.0619305



Confirmation Sample Notification - NAPP2201859426 DELAWARE RANCH 11 W2NC FEE #1H BATTERY

1 message

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Thu, Jan 20, 2022 at 8:07 AM

To: OCD.Enviro@state.nm.us

Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, John Farrell <john@trinityoilfieldservices.com>

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Mewbourne Oil Co. at the above referenced site on Monday, January 24, 2022 at 8:00 a.m.

Dan Dunkelberg
Environmental Professional



Trinity Oilfield Services & Rentals, LLC
Cell: (575) 602-2403

Karst Potential Map



NAPP2201859426

DELAWARE RANCH 11 W2NC FEE #1H BATTERY

N-11-26S-28E

32.050382,-104.06142

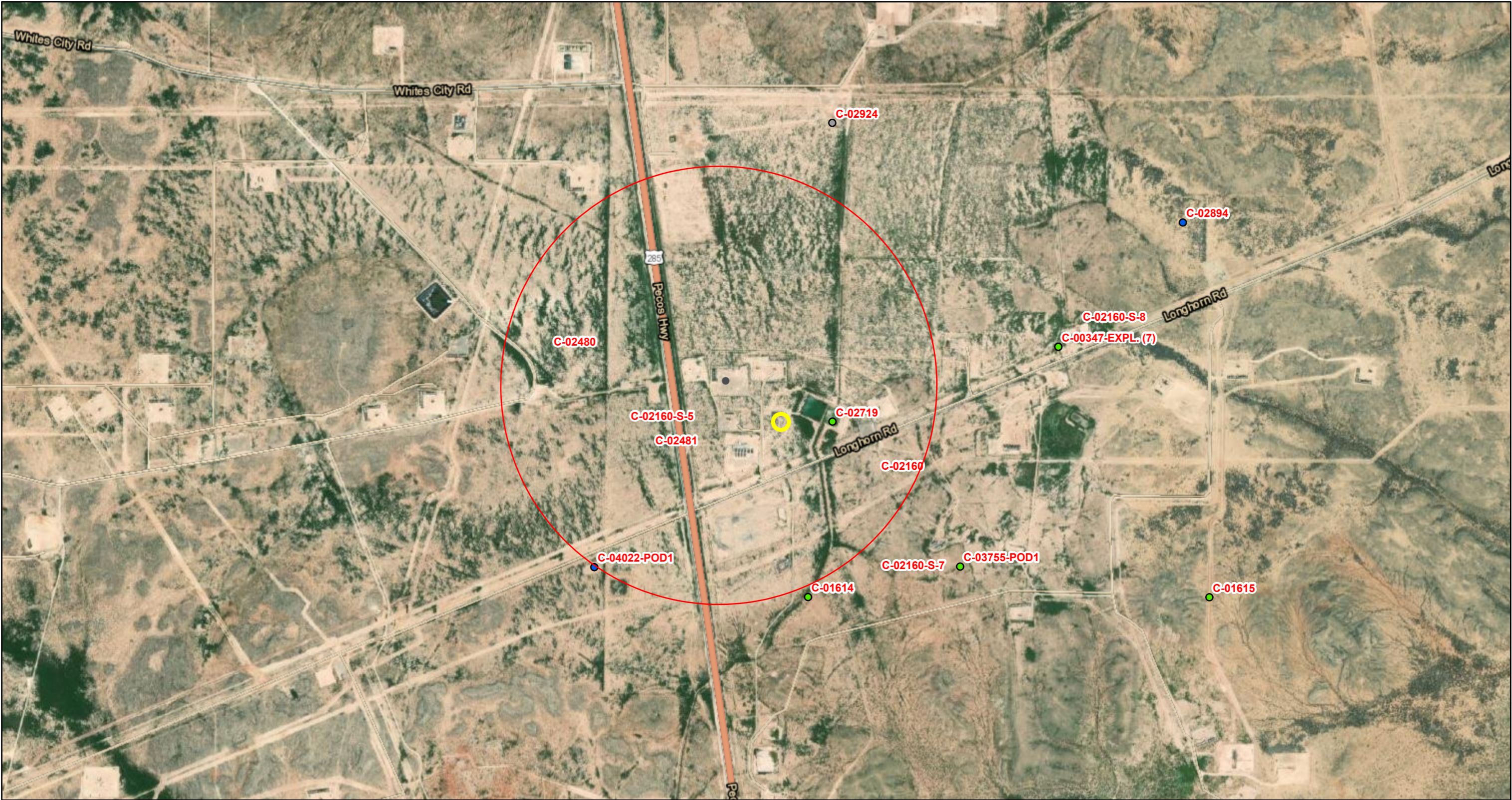
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-  32.050382,-104.06142
-  High
-  Low
-  Medium

32.050382,-104.06142

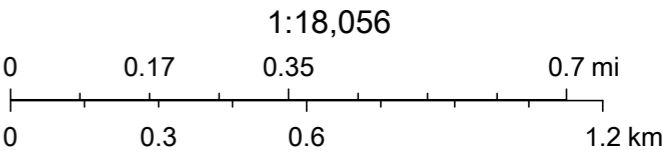


NAPP2201859426 | DELAWARE RANCH 11 W2NC FEE #1H BATTERY



2/16/2022, 11:24:51 AM

GIS WATERS PODs ● Pending □ OSE District Boundary
● Active ○ Incomplete ▨ SiteBoundaries



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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	280	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	280	300	120	180
C 02481	CUB	ED			1	1	14	26S	28E	588326	3546138*	387	200		
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	417	300	120	180
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	464	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	464	300	120	180
C 02479	CUB	ED			4	4	10	26S	28E	587909	3546534*	709	200		
C 02480	CUB	ED			4	4	10	26S	28E	587909	3546534*	709	150		
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	731	300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	856	300	120	180
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	922	220	175	45

Average Depth to Water: **126 feet**

Minimum Depth: **120 feet**

Maximum Depth: **175 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 588607.16

Northing (Y): 3546405.33

Radius: 950

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 11:13 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

x

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/01/2017

Drill Finish Date: 05/05/2017

Plug Date:

Log File Date: 06/05/2017

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 1 GPM

Casing Size: 12.25

Depth Well: 220 feet

Depth Water: 175 feet

x

Water Bearing Stratifications:

Top Bottom Description

175 180 Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top Bottom

160 220

x

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2/16/22 2:57 PM

POINT OF DIVERSION SUMMARY

National Flood Hazard Layer FIRMMette



104°4'W 32°3'17"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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





The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/16/2022 at 1:36 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



February 16, 2022

Wetlands

- Wetlands**
- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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.

Soil Map—Eddy Area, New Mexico
(NAPP2201859426 | DELAWARE RANCH 11 W2NC FEE #1H)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

2/16/2022
Page 1 of 3


Soil Map—Eddy Area, New Mexico
(NAPP2201859426 | DELAWARE RANCH 11 W2NC FEE #1H)

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	9.6	100.0%
Totals for Area of Interest		9.6	100.0%



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

January 24, 2022

JOHN FARRELL

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DELAWARE RANCH 11 W2NC #1H

Enclosed are the results of analyses for samples received by the laboratory on 01/20/22 14:05.

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.

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:	01/20/2022	Sampling Date:	01/13/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 VERTICAL @ 1' (H220231-01)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	68.2	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.6 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/13/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 N @ 1' (H220231-02)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTEx	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	60.4	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 72.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/13/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 E @ 1' (H220231-03)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTEx	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	151	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	27.1	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.9 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/13/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 W @ 1' (H220231-04)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26		
DRO >C10-C28*	102	10.0	01/22/2022	ND	198	98.9	200	1.58		
EXT DRO >C28-C36	22.0	10.0	01/22/2022	ND						

Surrogate: 1-Chlorooctane 77.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/13/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 S @ 1' (H220231-05)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	63.7	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	11.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.9 % 59.5-142

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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 1 VERTICAL @ 1' (H220231-06)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	56.3	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.0 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 2 VERTICAL @ 1' (H220231-07)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	101	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	18.1	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.8 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 3 VERTICAL @ 1' (H220231-08)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTX	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	145	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	28.1	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.0 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 4 VERTICAL @ 1' (H220231-09)

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	01/22/2022	ND	2.27	114	2.00	9.67		
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68		
Total BTX	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26		
DRO >C10-C28*	82.9	10.0	01/22/2022	ND	198	98.9	200	1.58		
EXT DRO >C28-C36	15.2	10.0	01/22/2022	ND						

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 5 VERTICAL @ 1' (H220231-10)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTX	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	78.7	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	13.6	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 1,2 S @ 6" (H220231-11)

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	01/22/2022	ND	2.27	114	2.00	9.67	
Toluene*	<0.050	0.050	01/22/2022	ND	2.20	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.16	108	2.00	9.60	
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.53	109	6.00	9.68	
Total BTX	<0.300	0.300	01/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	01/22/2022	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	01/22/2022	ND	213	106	200	2.26	
DRO >C10-C28*	170	10.0	01/22/2022	ND	198	98.9	200	1.58	
EXT DRO >C28-C36	35.6	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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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:	01/20/2022	Sampling Date:	01/14/2022
Reported:	01/24/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 3,4,5 N @ 6" (H220231-12)

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	01/22/2022	ND	2.10	105	2.00	0.417		
Toluene*	<0.050	0.050	01/22/2022	ND	2.01	101	2.00	0.202		
Ethylbenzene*	<0.050	0.050	01/22/2022	ND	2.04	102	2.00	0.167		
Total Xylenes*	<0.150	0.150	01/22/2022	ND	6.17	103	6.00	0.0488		
Total BTEx	<0.300	0.300	01/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	01/22/2022	ND	400	100	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	01/22/2022	ND	200	100	200	2.32	
DRO >C10-C28*	108	10.0	01/22/2022	ND	201	101	200	3.65	
EXT DRO >C28-C36	37.7	10.0	01/22/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services			BILL TO		ANALYSIS REQUEST														
Project Manager: John Farrell			P.O. #:																
Address: 8426 N Dal Paso			Company: Mewbourne Oil Co.																
City: Hobbs			Attn: Robbie Runnels																
Phone #: 575 390 7560			Address:																
Project #:			City:																
Project Name: Delaware Ranch 11 W2NC #1H			State: Zip:																
Project Location: Eddy Co., NM			Phone #:																
Sampler Name: GR			Fax #:																
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR C/OMP. # CONTAINERS)	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX								
	1	SD-1 Vertical @ 1'	G 1	X			1/13/2022	9:00	X	X	X								
	2	SD-1 N @ 1'	G 1	X			1/13/2022	9:05	X	X	X								
	3	SD-1 E @ 1'	G 1	X			1/13/2022	9:10	X	X	X								
	4	SD-1 W @ 1'	G 1	X			1/13/2022	9:15	X	X	X								
	5	SD-1 S @ 1'	G 1	X			1/13/2022	9:20	X	X	X								
	6	SR-1 Vertical @ 1'	C 1	X			1/14/2022	9:00	X	X	X								
	7	SR-2 Vertical @ 1'	C 1	X			1/14/2022	9:05	X	X	X								
	8	SR-3 Vertical @ 1'	C 1	X			1/14/2022	9:10	X	X	X								
	9	SR-4 Vertical @ 1'	C 1	X			1/14/2022	9:15	X	X	X								
	10	SR-5 Vertical @ 1'	C 1	X			1/14/2022	9:20	X	X	X								
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Relinquished By:			Date: 1-20-22	Received By:			Verbal Result: Yes No			Add'l Phone #:									
Relinquished By:			Date:	Received By:			All Results are emailed. Please provide Email address:												
Relinquished By:			Date:	Received By:			REMARKS:												
Delivered By: (Circle One)			Observed Temp. °C -4.8	Sample Condition			CHECKED BY: (Initials)			Turnaround Time: Standard Rush			Bacteria (only) Sample Condition						
Sampler - UPS - Bus - Other:			Corrected Temp. °C -5.3	Cool Intact Yes No			Yes No			Thermometer ID #113			Cool Intact Yes No Observed Temp. °C						
										Correction Factor -0.5 °C			Corrected Temp. °C						

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



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

February 14, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DELAWARE RANCH 11 W2NC #1H

Enclosed are the results of analyses for samples received by the laboratory on 02/09/22 15:20.

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.

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".

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
 DAN DUNKELBERG
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received:	02/09/2022	Sampling Date:	02/08/2022
Reported:	02/14/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 E @ 1' (H220511-01)

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	02/11/2022	ND	2.01	100	2.00	5.52	
Toluene*	<0.050	0.050	02/11/2022	ND	1.98	98.9	2.00	9.84	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.96	97.8	2.00	8.14	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.09	101	6.00	8.58	
Total BTX	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	224	16.0	02/11/2022	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	248	124	200	3.19	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	234	117	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/09/2022	Sampling Date:	02/08/2022
Reported:	02/14/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SD - 1 W @ 1' (H220511-02)

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	02/11/2022	ND	2.01	100	2.00	5.52		
Toluene*	<0.050	0.050	02/11/2022	ND	1.98	98.9	2.00	9.84		
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.96	97.8	2.00	8.14		
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.09	101	6.00	8.58		
Total BTEx	<0.300	0.300	02/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	160	16.0	02/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	248	124	200	3.19	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	234	117	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/09/2022	Sampling Date:	02/08/2022
Reported:	02/14/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 1,2 S @ 6" (H220511-03)

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	02/11/2022	ND	2.01	100	2.00	5.52		
Toluene*	<0.050	0.050	02/11/2022	ND	1.98	98.9	2.00	9.84		
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.96	97.8	2.00	8.14		
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.09	101	6.00	8.58		
Total BTEX	<0.300	0.300	02/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	02/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	248	124	200	3.19	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	234	117	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/09/2022	Sampling Date:	02/08/2022
Reported:	02/14/2022	Sampling Type:	Soil
Project Name:	DELAWARE RANCH 11 W2NC #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 3,4,5 N @ 6" (H220511-04)

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	02/11/2022	ND	2.01	100	2.00	5.52		
Toluene*	<0.050	0.050	02/11/2022	ND	1.98	98.9	2.00	9.84		
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.96	97.8	2.00	8.14		
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.09	101	6.00	8.58		
Total BTX	<0.300	0.300	02/11/2022	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	208	16.0	02/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	248	124	200	3.19	
DRO >C10-C28*	53.0	10.0	02/12/2022	ND	234	117	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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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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
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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 82296

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 82296
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	3/4/2022