

Remediation Summary & Soil Closure Request

Mewbourne Oil Company
Lindale 24/25 W1AH Fed Com #1H Battery
Eddy County, New Mexico
Unit Letter "A", Section 24, Township 26 South, Range 30 East
Latitude 32.033988 North, Longitude 103.827985 West
NMOCD Reference No. nAPP2406731234

Prepared By:

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Lindale 24/25 W1AH Fed Com #1H Battery (henceforth, "Lindale W1AH"). Details of the release are summarized below:

Location of Release Source				
Latitude: <u>32.033988</u>		Longitude: <u>-103.827985</u>		
Provided GPS are in WGS84 format.				
Site Name: Lindale 24/25 W1AH Fed Com #1H Battery		Site Type: Tank Battery		
Date Release Discovered: 2/23/2024		API # (if applicable): N/A		
Unit Letter	Section	Township	Range	County
"A"	24	26S	30E	Eddy
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Private (Name _____)				
Nature and Volume of Release				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 34		Volume Recovered (bbls) 10	
	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"/> N/A	
<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		Volume/Weight Recovered	
Cause of Release: Equipment failure (pipeline).				
Initial Response				
<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"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	Estimate or Other
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1,000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1,000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1,000 (ft.) and ½ (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	Between 1,000 (ft.) and ½ (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	Between 1,000 (ft.) and ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Medium
A 100-year floodplain?	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Searches of databases maintained by the NMOCD, New Mexico Office of the State Engineer (NMOSE), and United States Geological Survey (USGS) were conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Lindale WIAH release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 4.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Lindale WIAH release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 100 and 500 (ft.)	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	3/12/2024
On what date will (or did) the final sampling or liner inspection occur?	3/18/2024
On what date will (or was) the remediation complete(d)?	3/26/2024
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	4,182
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	411
What was the total surface area (sq. ft.) that has or will be remediated?	4,182
What was the total volume (cy) that has or will be remediated?	840
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility
NMOCD Disposal Facility ID?	Texas
Summarize any additional remediation activities not included by answers above.	See below

On March 12, 2024, remediation activities commenced at the Lindale W1AH release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	352	NW 5 & FL 8 @ 4'	3/18/2024	0 - 3 & 4	In-Situ
TPH	<30.0	All submitted soil samples	3/18/2024	0 - 5	In-Situ
GRO + DRO	<20.0	All submitted soil samples	3/18/2024	0 - 5	In-Situ
Benzene	<0.050	All submitted soil samples	3/18/2024	0 - 5	In-Situ
BTEX	<0.300	All submitted soil samples	3/18/2024	0 - 5	In-Situ

Please reference Table 1 for additional information.

On March 18, 2024, Etech collected 35 confirmation soil samples (NW 1 through NW 6, EW 1, EW 2, SW 1 through SW 5, WW 1, WW 2, and FL 1 @ 1' through FL 20 @ 5') from the sidewalls and floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples EW 1 and SW 1 to 352 mg/kg in soil samples NW 5 and FL 8 @ 4'.

The final dimensions of the excavated area were approximately 102 to 166 feet in length, eight (8) to 30 feet in width, and one (1) to five (5) feet in depth. During the course of remediation activities, Etech transported approximately 840 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 840 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Sample Location Map". Soil chemistry data is summarized in Table 1. General photographs of the site are provided in Appendix B. Field data is provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What was the total surface area (sq. ft.) remediated?	4,182	
What was the total volume (cy) remediated?	840	

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Lindale W1AH release site.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (sq. ft.) reclaimed?	0	
What was the total volume (cy) reclaimed?	0	

The release was limited to the production pad of an active tank battery and did not impact the adjacent pasture. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was compacted and contoured to fit the needs of the facility. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the tank battery.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

8.0 DISTRIBUTION

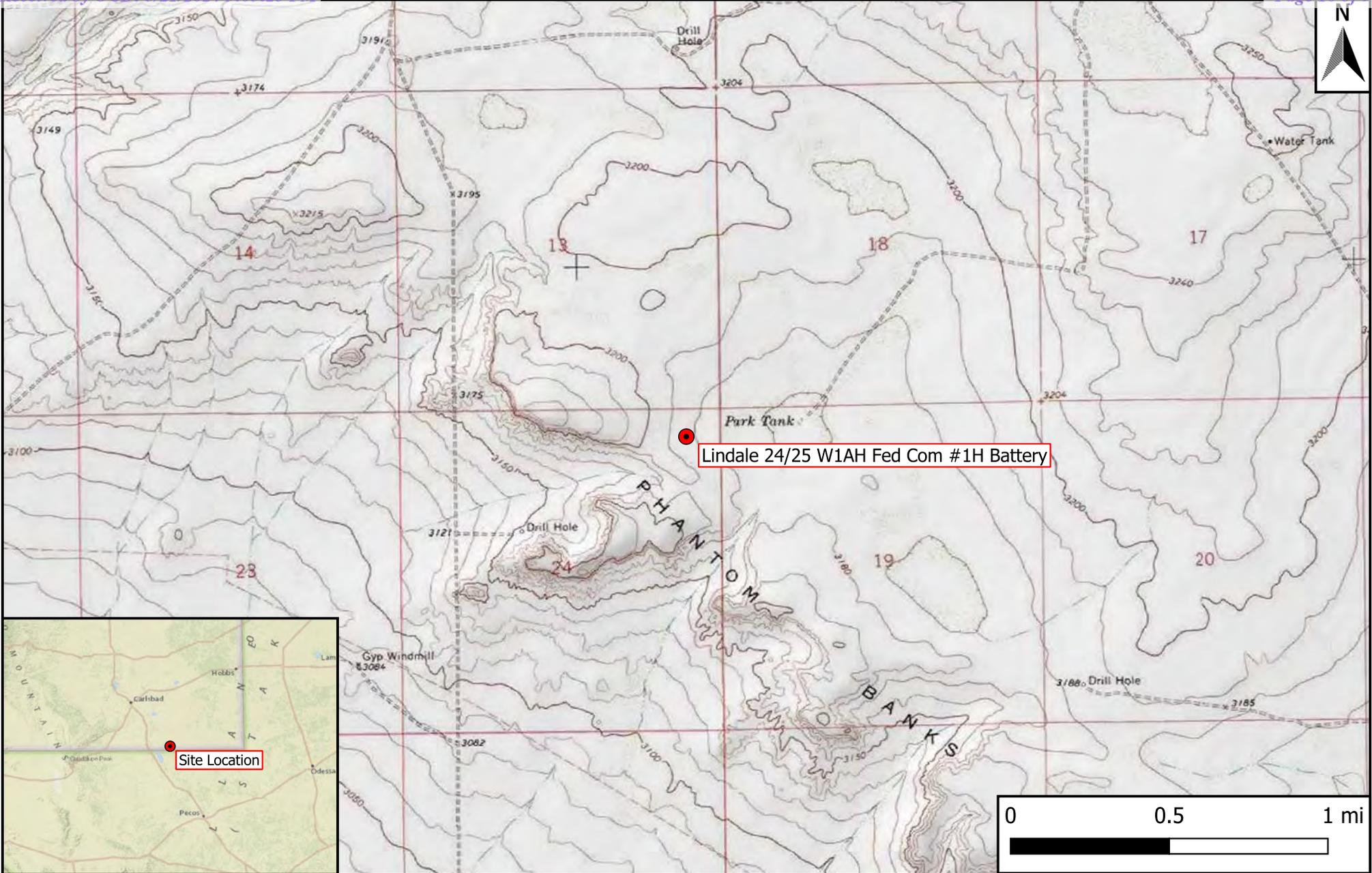
Mewbourne Oil Company
4801 Business Park Blvd.
Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

(Electronic Submission)

Figure 1 Site Location Map



Legend
 ● Site Location

Figure 1
 Site Location Map
 Mewbourne Oil Company
 Lindale 24/25 W1AH Fed Com #1H Battery
 GPS: 32.033988, -103.827985
 Eddy County, New Mexico



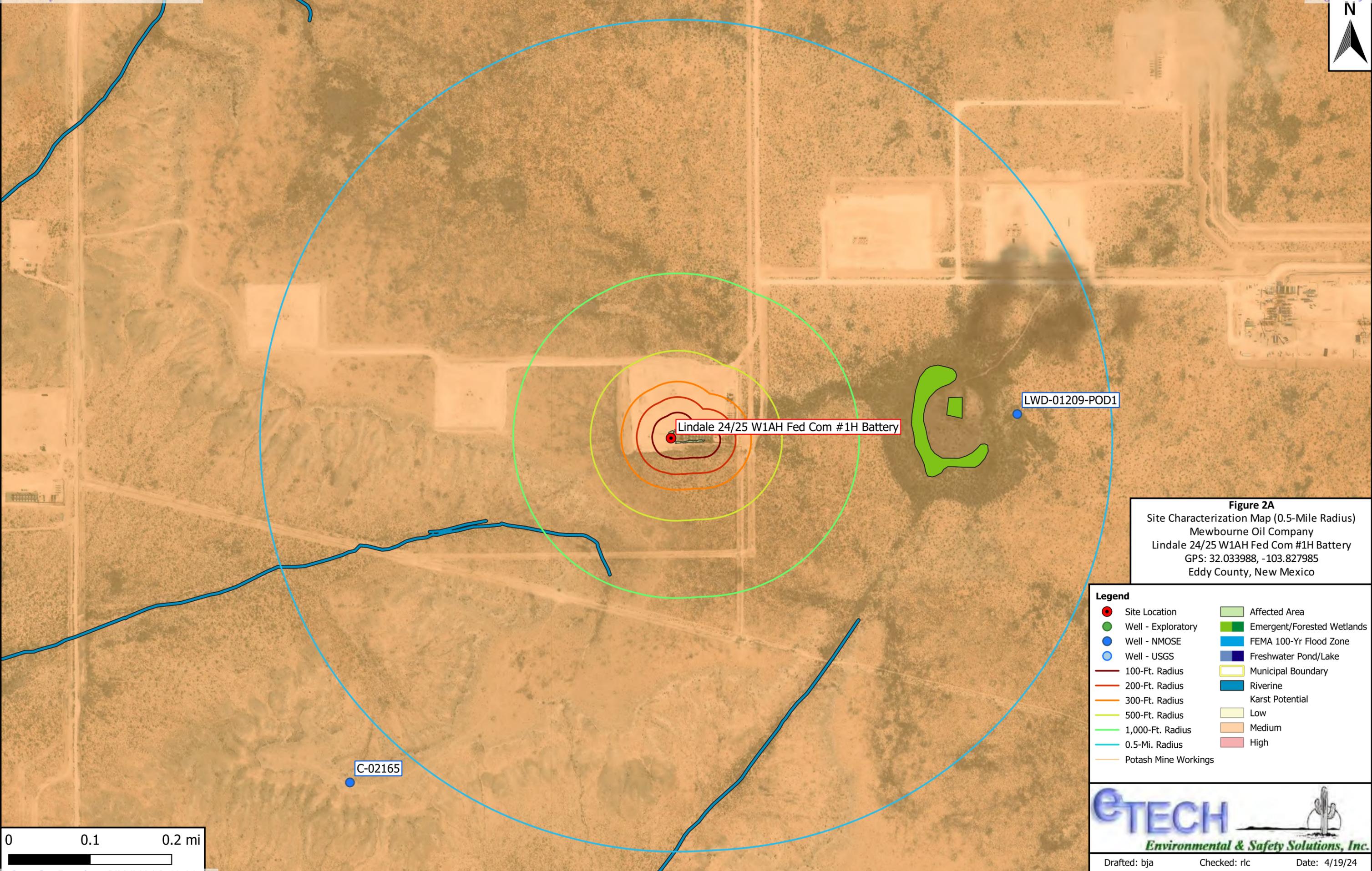
Drafted: bja

Checked: rlc

Date: 4/19/24

Figures 2A & 2B

Site Characterization Maps



Lindale 24/25 W1AH Fed Com #1H Battery

LWD-01209-POD1

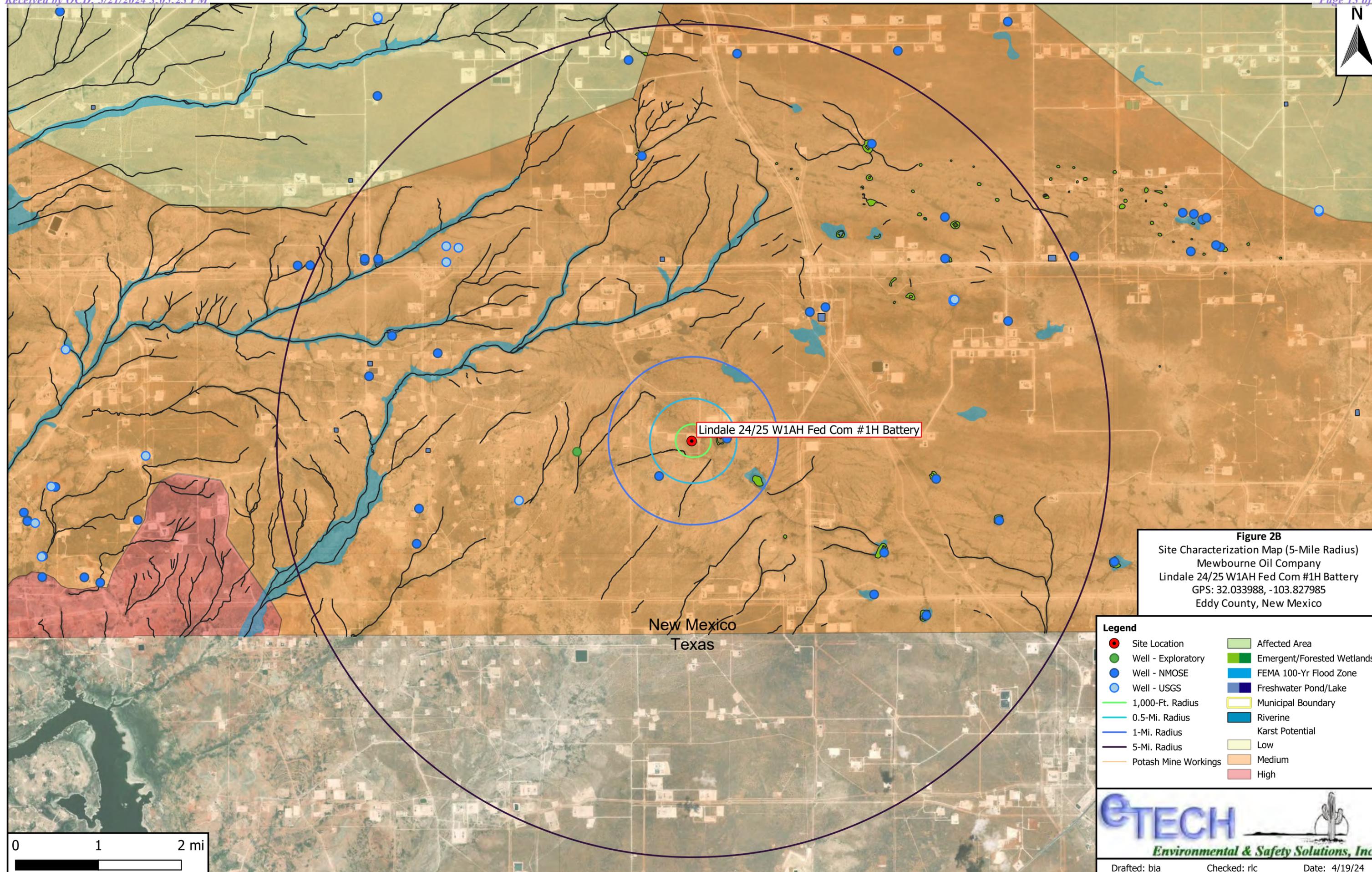
C-02165

Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 Mewbourne Oil Company
 Lindale 24/25 W1AH Fed Com #1H Battery
 GPS: 32.033988, -103.827985
 Eddy County, New Mexico

Legend	
	Site Location
	Well - Exploratory
	Well - NMOSE
	Well - USGS
	100-Ft. Radius
	200-Ft. Radius
	300-Ft. Radius
	500-Ft. Radius
	1,000-Ft. Radius
	0.5-Mi. Radius
	Potash Mine Workings
	Affected Area
	Emergent/Forested Wetlands
	FEMA 100-Yr Flood Zone
	Freshwater Pond/Lake
	Municipal Boundary
	Riverine
	Karst Potential
	Low
	Medium
	High



Drafted: bja Checked: rlc Date: 4/19/24

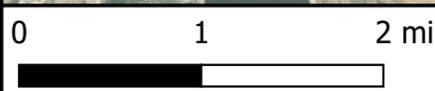


Lindale 24/25 W1AH Fed Com #1H Battery

New Mexico
Texas

Figure 2B
 Site Characterization Map (5-Mile Radius)
 Mewbourne Oil Company
 Lindale 24/25 W1AH Fed Com #1H Battery
 GPS: 32.033988, -103.827985
 Eddy County, New Mexico

- Legend**
- Site Location
 - Affected Area
 - Well - Exploratory
 - Emergent/Forested Wetlands
 - Well - NMOSE
 - FEMA 100-Yr Flood Zone
 - Well - USGS
 - Freshwater Pond/Lake
 - 1,000-Ft. Radius
 - Municipal Boundary
 - 0.5-Mi. Radius
 - Riverine
 - 1-Mi. Radius
 - Karst Potential
 - 5-Mi. Radius
 - Low
 - Potash Mine Workings
 - Medium
 - High



Drafted: bja Checked: rlc Date: 4/19/24

Figure 3 Sample Location Map



- Legend**
- Excavation Extent
 - Composite Floor Sample
 - Composite Wall Sample

Figure 3
 Sample Location Map
 Mewbourne Oil Company
 Lindale 24/25 W1AH Fed Com #1H Battery
 GPS: 32.033988, -103.827985
 Eddy County, New Mexico



Drafted: bja Checked: rlc Date: 5/20/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Lindale 24/25 W1AH Fed Com #1H Battery NMOCD Ref. #: nAPP2406731234											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
NW 1	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NW 2	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NW 3	3/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 4	3/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW 5	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
NW 6	3/18/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EW 1	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 2	3/18/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW 1	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 2	3/18/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 3	3/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 4	3/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 5	3/18/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW 1	3/18/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW 2	3/18/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 1 @ 1'	3/18/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 2 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 4 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 5 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 6 @ 4'	3/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 7 @ 4'	3/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 8 @ 4'	3/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 9 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 10 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 11 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 12 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 13 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 14 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 15 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 16 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 17 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 18 @ 3'	3/18/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 19 @ 2'	3/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 20 @ 5'	3/18/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224

Dash (-): Sample not analyzed for that constituent.

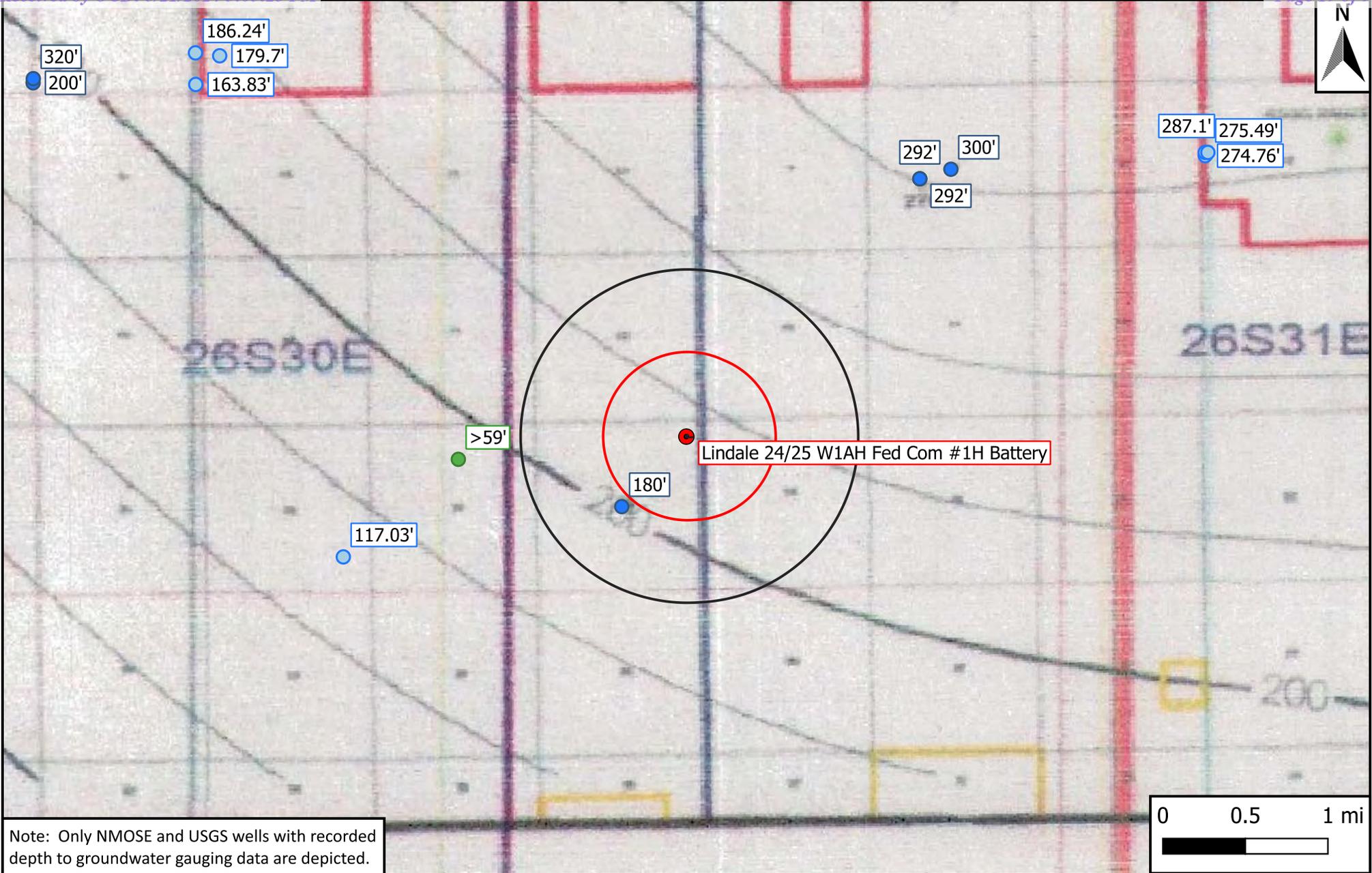
Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red-Outlined Cell: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Note: Only NMOSE and USGS wells with recorded depth to groundwater gauging data are depicted.

- Legend
- Site Location
 - Well - Exploratory
 - Well - NMOSE
 - Well - USGS
 - 0.5-Mile Radius
 - 1-Mile Radius

Figure 4
 Inferred Depth to Groundwater Map
 Mewbourne Oil Company
 Lindale 24/25 W1AH Fed Com #1H Battery
 GPS: 32.033988, -103.827985
 Eddy County, New Mexico





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	Code	POD Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02165	C		ED				24	26S	30E	610036	3544121*	928	440	180	260
C_04693	CUB		ED	3	4	2	13	26S	30E	610617	3545930	1128			

Average Depth to Water: **180 feet**
 Minimum Depth: **180 feet**
 Maximum Depth: **180 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 610665.62

Northing (Y): 3544803.43

Radius: 1610

*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.

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)				(NAD83 UTM in meters)		
Well Tag	POD Number	(quarters are smallest to largest)	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	02165			24	26S	30E	610036	3544121*

Driller License: 421	Driller Company: GLENN'S WATER WELL SERVICE	
Driller Name: CORKY GLENN		
Drill Start Date: 05/02/1988	Drill Finish Date: 05/02/1988	Plug Date:
Log File Date: 05/05/1988	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 75 GPM
Casing Size: 6.63	Depth Well: 440 feet	Depth Water: 180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	318	432	Other/Unknown

Casing Perforations:	Top	Bottom
	296	440

*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.

2/26/24 11:06 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
NA	C 04693 POD1	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
		3	4	2	13	26S	30E	610617	3545930

x

Driller License: 1706	Driller Company: ELITE DRILLERS CORPORATION	
Driller Name: BRYCE WALLACE		
Drill Start Date: 02/20/2023	Drill Finish Date: 02/20/2023	Plug Date: 02/20/2023
Log File Date: 03/23/2023	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well:	Depth Water:

x

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.

2/26/24 11:06 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4693-POD1		WELL TAG ID NO.		OSE FILE NO(S) C-4693	
	WELL OWNER NAME(S) EOG Resources Inc.				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 5509 Champions Dr				CITY Midland	STATE ZIP TX 79706
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 2	SECONDS 38.9832 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
LONGITUDE 103 49 42.1422 W						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1706		NAME OF LICENSED DRILLER Bryce Wallace		NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 02/20/23	DRILLING ENDED 02/20/23	DEPTH OF COMPLETED WELL (FT) 75	BORE HOLE DEPTH (FT) 75	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
FROM	TO						
		6	N/A				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
			6	N/A		

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	C-4693-POD1	POD NO.	1	TRN NO.	739912		
LOCATION	Expl 26.30.13.342			WELL TAG ID NO.	---	PAGE 1 OF 2	

Mike A. Hamman, P.E.
State Engineer



roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 739912
File Nbr: C 04693
Well File Nbr: C 04693 POD1

Mar. 23, 2023

OLIVIA DESSER
EOG RESOURCES, INC
5509 CHAMPIONS DR
MIDLAND, TX 79706

Greetings:

The above numbered permit was issued in your name on 01/04/2023.

The Well Record was received in this office on 03/23/2023, stating that it had been completed on 02/20/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/04/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 739912
File Nbr: C 04693
Well File Nbr: C 04693 POD1

Mar. 23, 2023

GALAN KELLEY
COLD PEAK ENVIORMENTAL, LLC
15 SMITH RD., SUITE 2008
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 01/04/2023.

The Well Record was received in this office on 03/23/2023, stating that it had been completed on 02/20/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/04/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell

Appendix B

Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: West	
Photo Description: View of the affected area.	

Photo Number: 2	
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	 <p>WGS84 32.03392, -103.82793 3197 SE163</p> <p>23Feb24 12:25 MOC Lindale 24/25 W1AH federal 1 Battery Malaga NM 88263, United States © 23-Feb-24 12:25:33</p>
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photo Number: 4	 <p>WGS84 32.03396, ±15ft -103.82725 3194 SW240</p> <p>23Feb24 12:12 MOC Lindale 24/25 W1AH federal 1 Battery © 23-Feb-24 12:12:15</p>
Photo Direction: West-Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	 <p>Mar 15, 2024 at 9:54:35 AM Malaga NM 88263 United States</p>
Photo Direction: East	
Coordinates: 32.034082,-103.827710	
Photo Description: View of the excavated area.	

Photo Number: 6	 <p>Mar 18, 2024 at 7:43:18 AM Malaga NM United States</p>
Photo Direction: South-Southeast	
Coordinates: 32.034114,-103.828064	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 7	 <p>Mar 18, 2024 at 7:43:45 AM Malaga NM United States</p>
Photo Direction: South-Southeast	
Coordinates: 32.034113,-103.828040	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>Mar 18, 2024 at 7:44:20 AM Malaga NM 88263 United States</p>
Photo Direction: Southeast	
Coordinates: 32.034099,-103.828063	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: East	
Coordinates: 32.033917,-103.828001	
Photo Description: View of the excavated area.	

Photo Number: 10	
Photo Direction: East	
Coordinates: 32.033909,-103.827579	
Photo Description: View of the excavated area.	

Photographic Log

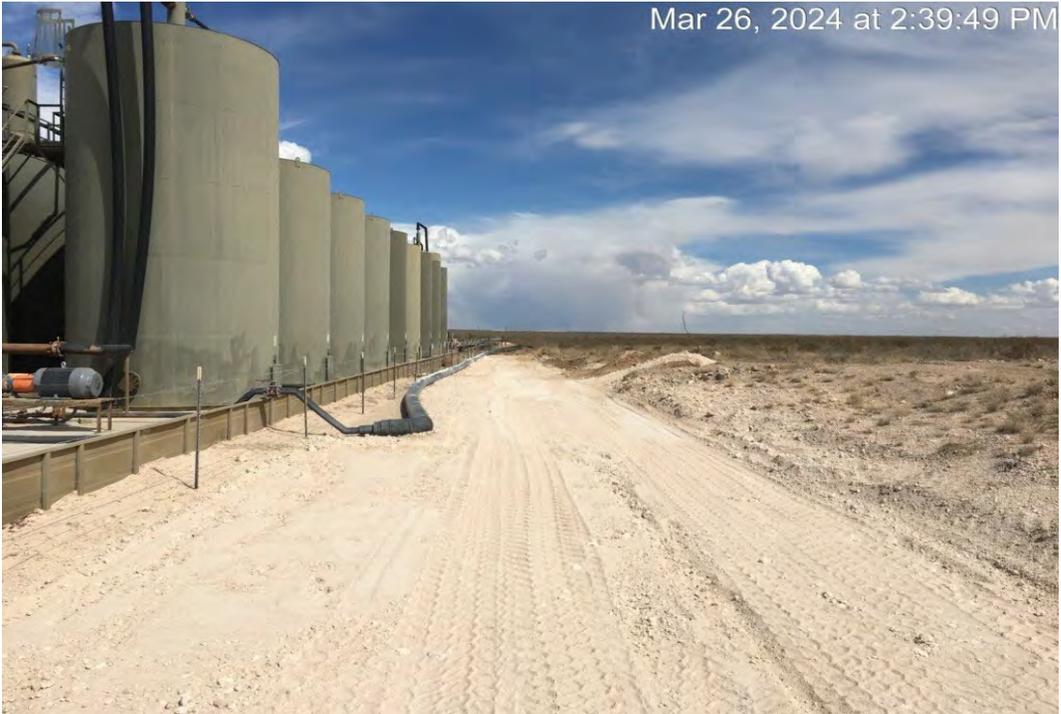
Photo Number: 11	 <p>Mar 26, 2024 at 2:39:49 PM</p>
Photo Direction: East	
Coordinates: 32.033912,-103.827789	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 12	 <p>Mar 26, 2024 at 2:40:01 PM</p>
Photo Direction: Northeast	
Coordinates: 32.033869,-103.828035	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 13	 <p>Mar 26, 2024 at 2:40:19 PM</p>
Photo Direction: East-Northeast	
Coordinates: 32.033895,-103.828125	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 14	 <p>Mar 26, 2024 at 2:39:15 PM</p>
Photo Direction: South-Southwest	
Coordinates: 32.034113,-103.828040	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix C

Field Data



Sample Log

Date: _____

Project: Lindale 24/25 W1AH Fed Com 1H Battery

Project Number: 19894 Latitude: 32.033997 Longitude: -103.827647

Sample ID	PID/Odor	Chloride Conc.	GPS
EW 1	-	224	
SW 1	-	ND	
FL-1 @ 1'	-	368	
NW 1	-	408	
FL-2 @ 1'	-	1572	
FL-2 @ 2'	-	968	
FL-2 @ 3'	-	ND	
SW 2	-	1372	
FL-3 @ 3'	-	408	
FL-4 @ 3'	-	408	
SW 2	-	168	
NW 2	-	256	
FL-5 @ 3'	-	452	
FL-6 @ 2'	-	712	
SW 3	-	1932	
FL-6 @ 3'	-	600	
SW 3	-	196	
FL-6 @ 4'	-	500	
FL-7 @ 4'	-	368	
FL-8 @ 4'	-	408	
FL-9 @ 4'	-	256	
SW 4	-	292	
NW 3	-	368	
FL-10 @ 2'	-	408	
SW test	-	408	
NW 4	-	548	
FL test @ 2' FL-12 @ 2'	-	408	
FL test @ 2'	-	548	
WW 1	-	408	
FL-11 @ 2'	-	552	
FL-12 @ 2'	-	552	
WW 2	-	368	
FL-14 @ 2'	-	368	
FL-15 @ 2'	-	228	
FL-16 @ 2'	-	552	
FL-17 @ 2'	-	604	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix D

Laboratory Analytical Reports



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

March 19, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LINDALE 24 / 25 W1AH FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 1 @ 1' (H241387-01)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 2 @ 3' (H241387-02)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 3 @ 3' (H241387-03)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 4 @ 3' (H241387-04)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 5 @ 3' (H241387-05)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 6 @ 4' (H241387-06)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 7 @ 4' (H241387-07)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 8 @ 4' (H241387-08)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 9 @ 2' (H241387-09)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 10 @ 2' (H241387-10)

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	03/18/2024	ND	1.76	88.1	2.00	7.81	
Toluene*	<0.050	0.050	03/18/2024	ND	1.84	92.2	2.00	7.96	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.79	89.6	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.52	92.1	6.00	7.77	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 11 @ 2' (H241387-11)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 12 @ 2' (H241387-12)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 13 @ 2' (H241387-13)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/19/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 14 @ 2' (H241387-14)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 15 @ 2' (H241387-15)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 16 @ 2' (H241387-16)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 17 @ 3' (H241387-17)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 18 @ 3' (H241387-18)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 19 @ 2' (H241387-19)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
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 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: FL 20 @ 5' (H241387-20)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	212	106	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	0.0968	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 1 (H241387-21)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 2 (H241387-22)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 3 (H241387-23)

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	03/18/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/18/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 4 (H241387-24)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 5 (H241387-25)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: NW 6 (H241387-26)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: EW 1 (H241387-27)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: EW 2 (H241387-28)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/18/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: WW 1 (H241387-29)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: WW 2 (H241387-30)

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	03/19/2024	ND	1.94	96.9	2.00	14.2	
Toluene*	<0.050	0.050	03/19/2024	ND	1.94	96.9	2.00	16.4	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.02	101	2.00	14.2	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.05	101	6.00	13.7	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: SW 1 (H241387-31)

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	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	QR-03
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	QR-03
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: SW 2 (H241387-32)

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	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: SW 3 (H241387-33)

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	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	ND	464	116	400	7.14	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: SW 4 (H241387-34)

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	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/19/2024	ND	400	100	400	7.69	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2024	Sampling Date:	03/18/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	LINDALE 24 / 25 W1AH FED COM 1H BA	Sampling Condition:	Cool & Intact
Project Number:	19583	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.033997-103.827647		

Sample ID: SW 5 (H241387-35)

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	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/19/2024	ND	400	100	400	7.69	

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	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322904
Date: Wednesday, March 13, 2024 10:47:26 AM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2406731234.

The sampling event is expected to take place:

When: 03/18/2024 @ 09:00

Where: A-24-26S-30E 0 FNL 0 FEL (32.033988,-103.827985)

Additional Information: Sample Tech: Aaron Rios

Phone: 432-701-8602, aaronr@etechemv.com

Additional Instructions: From the intersection of Pipeline Rd and Buck Jackson Rd (32.064703, -103.803525), head W on Pipeline Rd for 2.25 mi, then S for 0.86 mi, then SE for 0.50 mi, then E for 1.40 mi, then SW for 0.09 mi to arrive at the Lindale 24-25 WIAH Fed Com 1H Battery (32.033997, -103.827647).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322906
Date: Wednesday, March 13, 2024 10:48:40 AM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2406731234.

The sampling event is expected to take place:

When: 03/19/2024 @ 09:00

Where: A-24-26S-30E 0 FNL 0 FEL (32.033988,-103.827985)

Additional Information: Sample Tech: Aaron Rios

Phone: 432-701-8602, aaronr@etechemv.com

Additional Instructions: From the intersection of Pipeline Rd and Buck Jackson Rd (32.064703, -103.803525), head W on Pipeline Rd for 2.25 mi, then S for 0.86 mi, then SE for 0.50 mi, then E for 1.40 mi, then SW for 0.09 mi to arrive at the Lindale 24-25 WIAH Fed Com 1H Battery (32.033997, -103.827647).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
To: [Connor Walker](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 322907
Date: Wednesday, March 13, 2024 10:49:56 AM

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2406731234.

The sampling event is expected to take place:

When: 03/20/2024 @ 09:00

Where: A-24-26S-30E 0 FNL 0 FEL (32.033988,-103.827985)

Additional Information: Sample Tech: Aaron Rios

Phone: 432-701-8602, aaronr@etechenv.com

Additional Instructions: From the intersection of Pipeline Rd and Buck Jackson Rd (32.064703, -103.803525), head W on Pipeline Rd for 2.25 mi, then S for 0.86 mi, then SE for 0.50 mi, then E for 1.40 mi, then SW for 0.09 mi to arrive at the Lindale 24-25 WIAH Fed Com 1H Battery (32.033997, -103.827647).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

QUESTIONS

Action 346428

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406731234
Incident Name	NAPP2406731234 LINDALE 2425 W1AH FED COM #1H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2125750014] LINDALE 24/25 W1AH FED COM #1H BATTERY

Location of Release Source

Please answer all the questions in this group.

Site Name	Lindale 2425 W1AH Fed Com #1H Battery
Date Release Discovered	02/23/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 34 BBL Recovered: 10 BBL Lost: 24 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 346428

QUESTIONS (continued)

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	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 03/07/2024
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Action 346428

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	352
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30
GRO+DRO (EPA SW-846 Method 8015M)	20
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/12/2024
On what date will (or did) the final sampling or liner inspection occur	03/18/2024
On what date will (or was) the remediation complete(d)	03/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	4182
What is the estimated volume (in cubic yards) that will be reclaimed	411
What is the estimated surface area (in square feet) that will be remediated	4182
What is the estimated volume (in cubic yards) that will be remediated	840

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 346428

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/21/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 346428

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 346428

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322907
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	4473

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4182
What was the total volume (cubic yards) remediated	840
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Please refer to attached closure report for complete details on remediation activities.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/21/2024
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Action 346428

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 346428

CONDITIONS

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	Action Number: 346428
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for incident #NAPP2406731234 LINDALE 2425 W1AH FED COM #1H BATTERY, thank you. This Remediation Closure Report is approved.	5/22/2024