

Remediation Summary & Soil Closure Request

Mewbourne Oil Company

Perro Loco 22 B3OB Fed Com #1H

Lea County, New Mexico

Unit Letter "O", Section 22, Township 22 South, Range 34 East

Latitude 32.370366 North, Longitude 103.455794 West

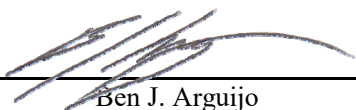
NMOCD Reference No. nAPP2333538592


Prepared By:

Etech Environmental & Safety Solutions, Inc.

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Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	Section
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
REMEDIATION ACTIVITIES SUMMARY.....	4.0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN.....	5.0
SOIL CLOSURE REQUEST.....	6.0
LIMITATIONS.....	7.0
DISTRIBUTION.....	8.0

FIGURES

- Figure 1 - Site Location Map
- Figure 2A - Site Characterization Map (0.5-Mile Radius)
- Figure 2B - Site Characterization Map (5-Mile Radius)
- Figure 3 - Sample Location Map

TABLES

- Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

APPENDICES

- Appendix A - Depth to Groundwater Information
- Appendix B - Field Data
- Appendix C - Photographic Log
- Appendix D - Laboratory Analytical Reports
- Appendix E - Regulatory Correspondence

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 Perro Loco 22 B3OB Fed Com #1H (henceforth, "Perro Loco"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.370366 Longitude: -103.455794

Provided GPS are in WGS84 format.

Site Name: Perro Loco 22 B3OB Fed Com #1H	Site Type: Well Head
Date Release Discovered: 11/22/2023	API # (if applicable): N/A

Unit Letter	Section	Township	Range	County
"O"	22	22S	34E	Lea

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

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 4	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 28	Volume Recovered (bbls) 7
	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: A high pressure kill failed and over pressured the stuffing box rubbers, allowing fluid to escape.		

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ 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 75 and 100 (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?	> 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	1,000 (ft.) to 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?	½ to 1 (mi.)
Any other fresh water well or spring?	1 to 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	1,000 (ft.) to ½ (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	1,000 (ft.) to ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	> 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input 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 Perro Loco 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 Standard for the Perro Loco release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 75 and 100 Feet	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	-
	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 type="checkbox"/> Yes <input checked="" 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 did, or will, the remediation commence?	<u>11/30/2023</u>
On what date will (or was) the remediation complete(d)?	<u>12/11/2023</u>
What was the total surface area (sq. ft.) that has or will be remediated?	<u>7,772</u>
What was the total volume (cy) that has or will be remediated?	<u>420</u>
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?	<u>R360 Halfway Facility</u>
NMOCD Disposal Facility ID?	<u>fEEM0112334510</u>
Summarize any additional remediation activities not included by answers above.	<u>See below</u>

On November 30, 2023, remediation activities commenced at the Perro Loco 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	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	368	FL-3 @ 3'	12/6/2023	3	In-Situ
TPH	<30.0	All submitted samples	12/6 & 12/7/2023	0 - 3	In-Situ
GRO+DRO	<20.0	All submitted samples	12/6 & 12/7/2023	0 - 3	In-Situ
Benzene	<0.050	All submitted samples	12/6 & 12/7/2023	0 - 3	In-Situ
BTEX	<0.300	All submitted samples	12/6 & 12/7/2023	0 - 3	In-Situ

Please reference Table 1 for additional information.

On December 6, 2023, Etech collected 18 confirmation soil samples (EW-1, WW-1, and FL-1 @ 3' through FL-16 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On December 7, 2023, Etech collected 16 confirmation soil samples (NW-1, NW-2, NW-3, EW-2, EW-3, SW-1, WW-2, WW-3, and FL-17 @ 6" through FL-24 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 330 feet in length, two (2) to 38 feet in width, and six (6) inches to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 420 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 460 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. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What was the total surface area (sq. ft.) reclaimed?	7,772
What was the total volume (cy) reclaimed?	420
What is the total surface area (sq. ft.) that will <i>eventually</i> be reclaimed?	0
What is the total volume (cy) that will <i>eventually</i> be reclaimed?	0

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 areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

6.0 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

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 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 Perro Loco release site.

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 1

1220 South St. Francis Drive

Santa Fe, NM 87505

United States Department of the Interior

Bureau of Land Management

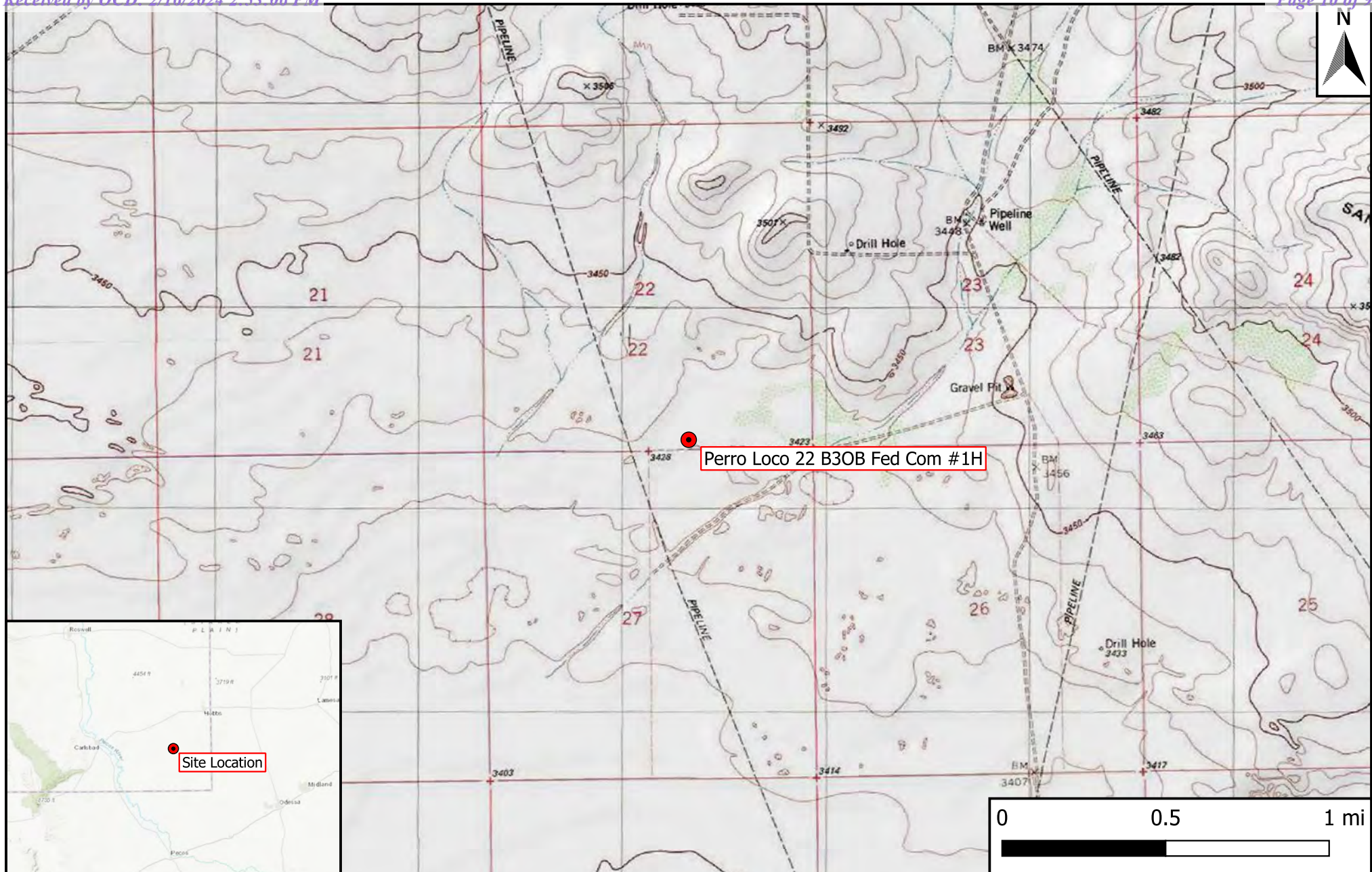
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Site Location Map



Legend

- Site Location

Figure 1

Site Location Map
 Mewbourne Oil Company
 Perro Loco 22 B3OB Fed Com #1H
 GPS: 32.370366, -103.455794
 Lea County



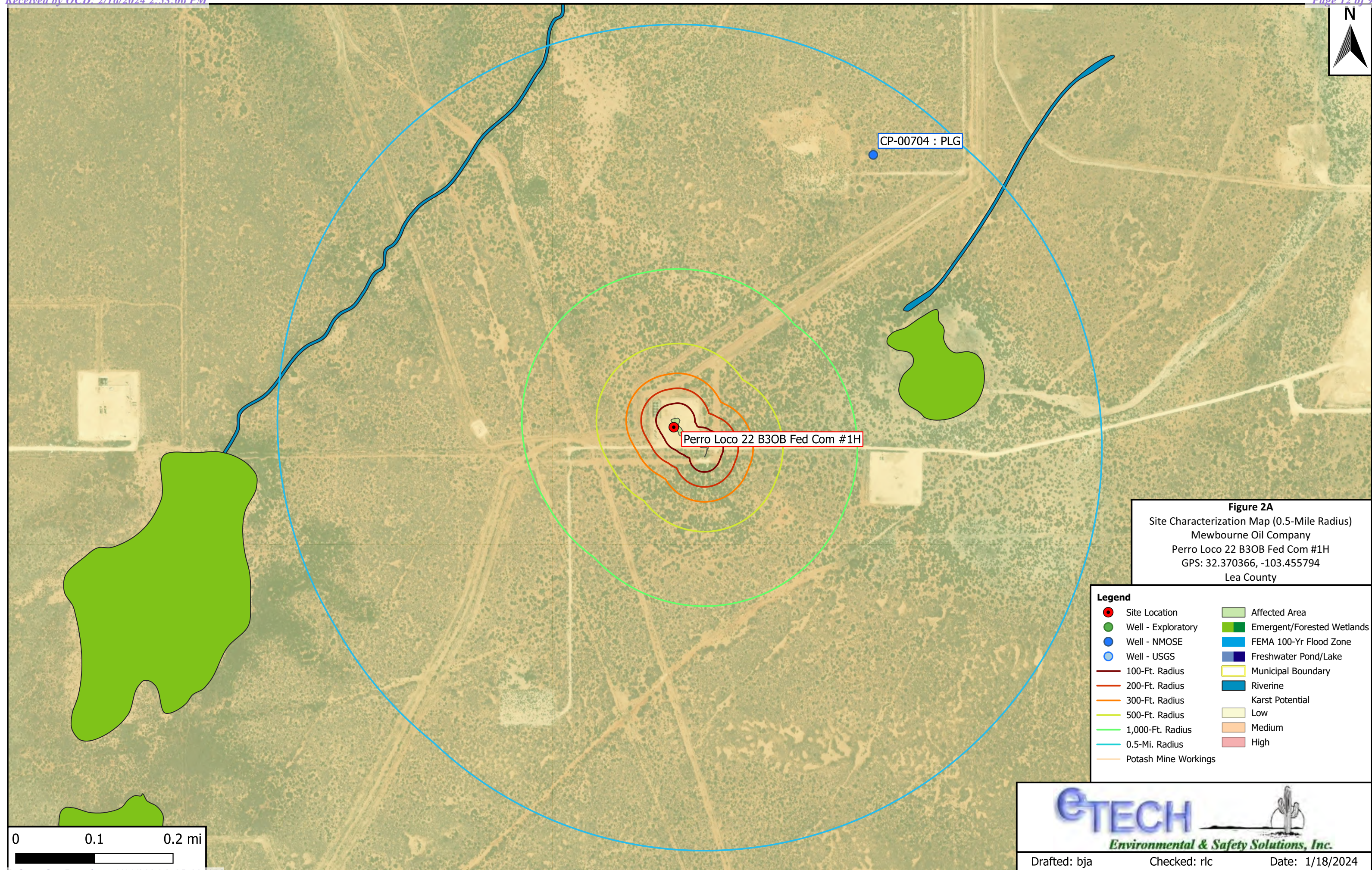
Drafted: bja

Checked: rlc

Date: 1/16/24

Figures 2A & 2B

Site Characterization Maps



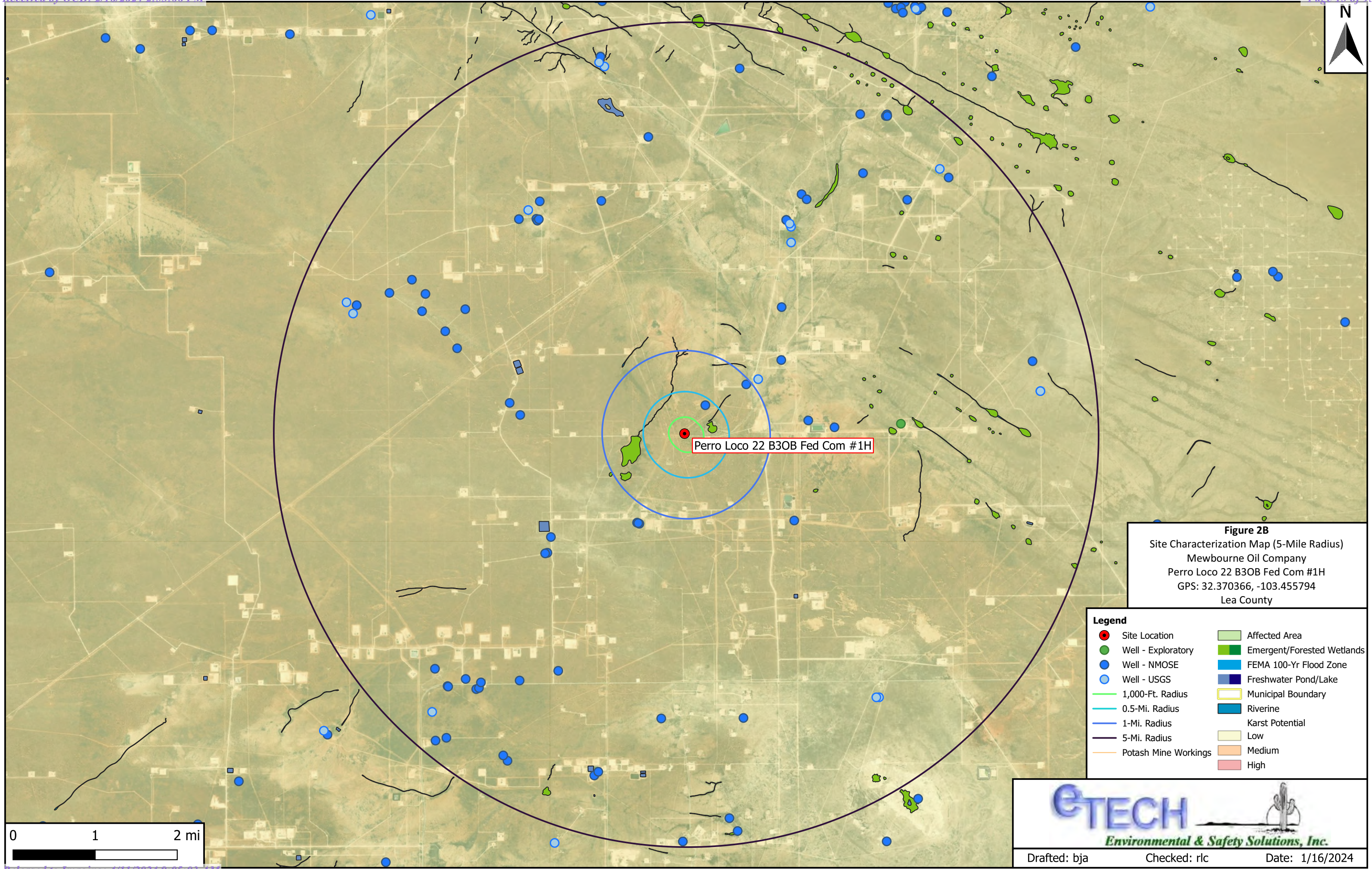
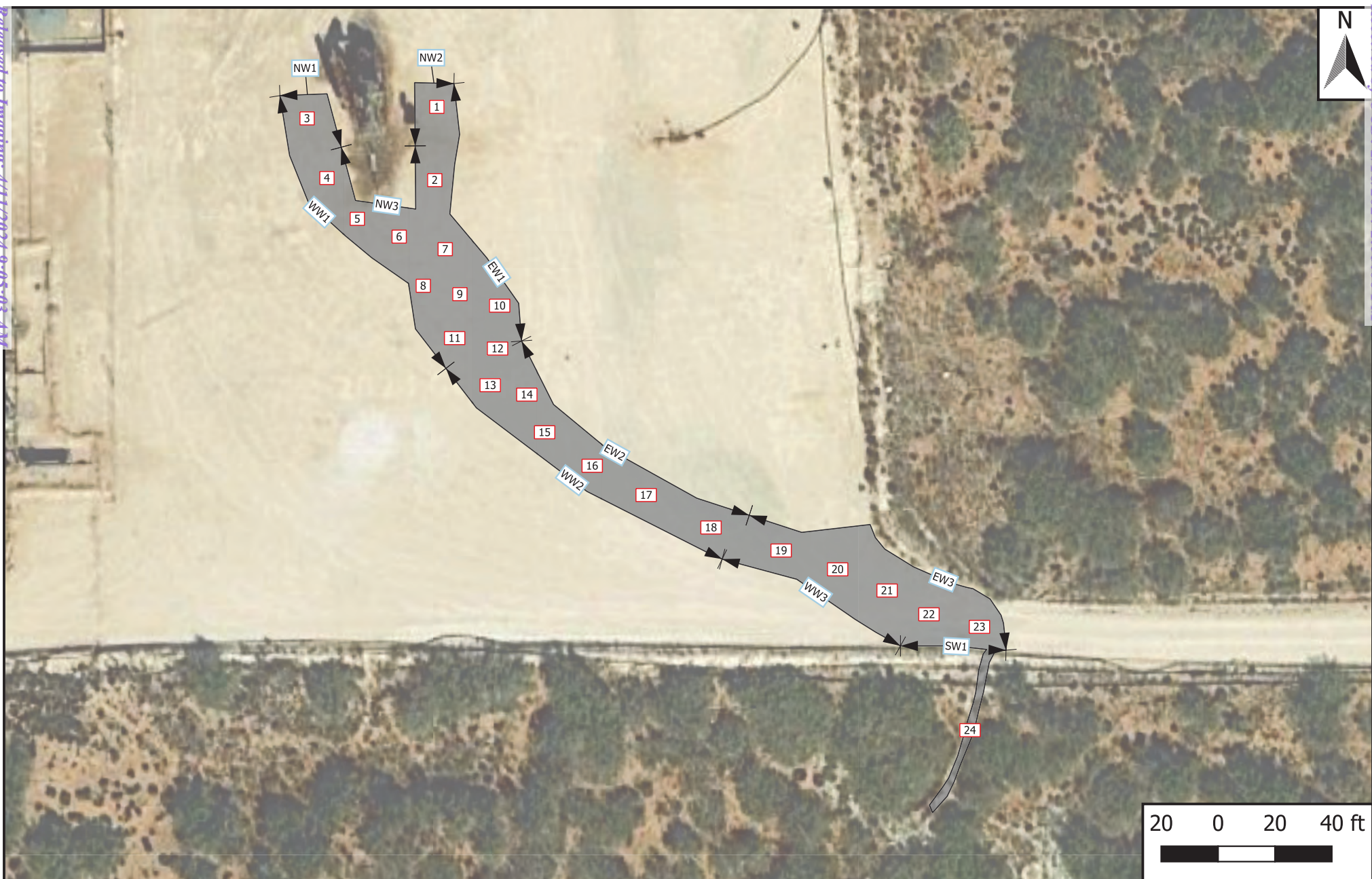


Figure 3

Sample Location Map



Legend

- Excavation Extent
- Composite Floor Sample
- Composite Wall Sample

Figure 3

Sample Location Map
 Mewbourne Oil Company
 Perro Loco 22 B3OB Fed Com #1H
 GPS: 32.370366, -103.455794
 Lea County



Drafted: bja

Checked: lc

Date: 1/26/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Perro Loco 22 B3OB Fed Com #1H NMOCD Ref. #: nAPP2333538592											
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	12/7/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW-2	12/7/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW-3	12/7/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW-1	12/6/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW-2	12/7/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW-3	12/7/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW-1	12/7/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW-1	12/6/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW-2	12/7/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW-3	12/7/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL-1 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-2 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-3 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL-4 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL-5 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-6 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL-7 @ 3'	12/6/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-8 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-9 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-10 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-11 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-12 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-13 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL-14 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-15 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL-16 @ 1'	12/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-17 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-18 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL-19 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-20 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-21 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-22 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-23 @ 6"	12/7/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-24 @ 1'	12/7/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

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

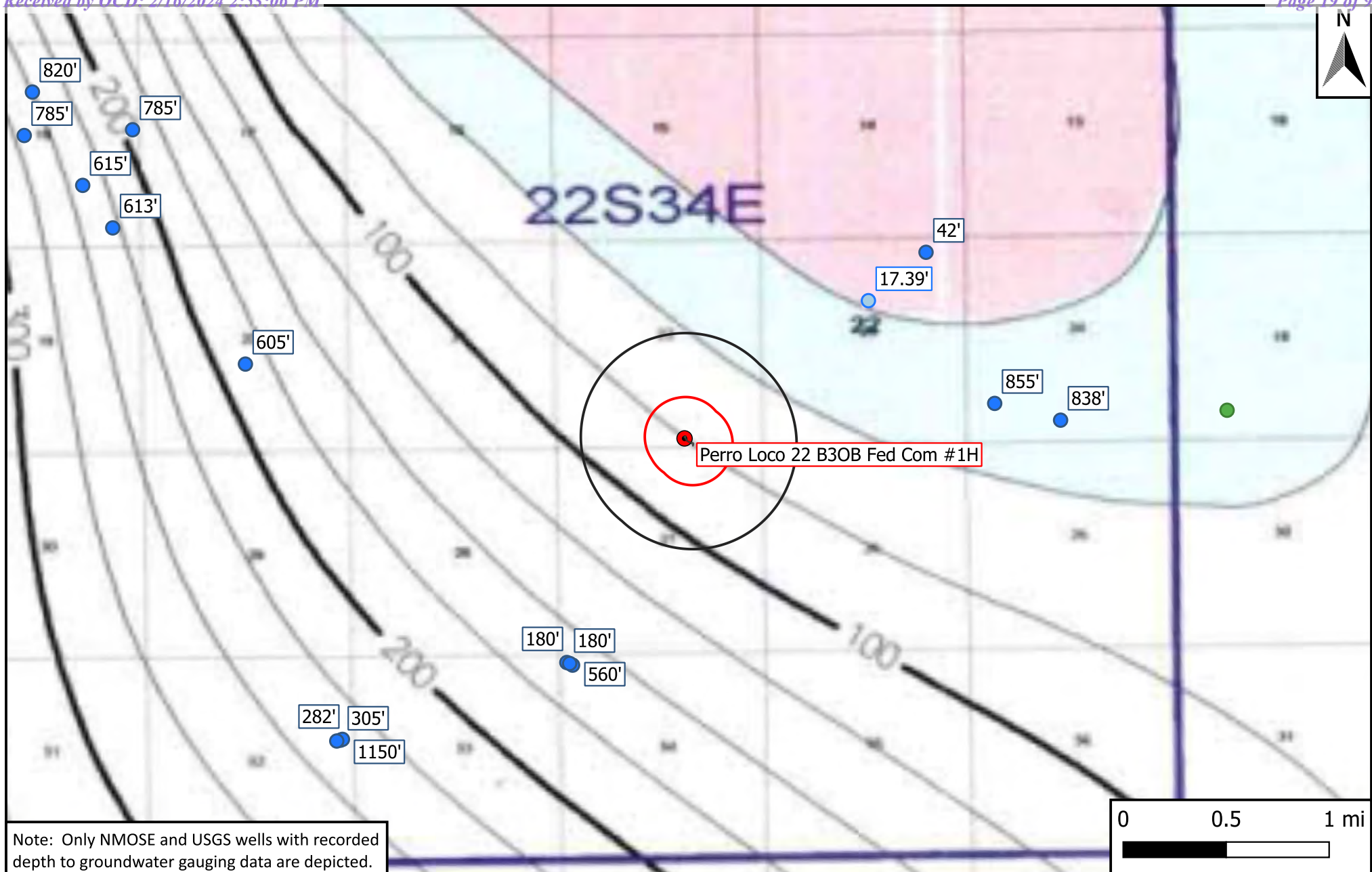
Bold Text: NMOCD Closure Criteria exceedance.

Red Text: NMOCD Reclamation Standard exceedance.

Red-Outlined Cell: Highest observed concentration.

Appendix A

Depth to Groundwater Information



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
 Perro Loco 22 B3OB Fed Com #1H
 GPS: 32.370366, -103.455794
 Lea County



Drafted: bja

Checked: rlc

Date: 2/8/24



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	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00704		CP	LE	2	4	22	22S	34E		645681	3583097*	690	600		
														Average Depth to Water:	--
														Minimum Depth:	--
														Maximum Depth:	--

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 645276.71 Northing (Y): 3582537.46 Radius: 804.67

*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)		
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00704		2	4	22	22S	34E	645681	3583097* 
x									
Driller License:	1107	Driller Company:				DUBOSE DRILLING, INC.			
Driller Name:	DUBOSE, BILL M. JR.								
Drill Start Date:	12/15/1986	Drill Finish Date:				12/17/1986		Plug Date:	12/17/1986
Log File Date:	01/15/1988	PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:				600 feet		Depth Water:	
x									

*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.

11/28/23 12:11 PM

POINT OF DIVERSION SUMMARY

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

48638

Section 1. GENERAL INFORMATION

(A) Owner of well Apache Corp Owner's Well No. _____
Street or Post Office Address 2666 E 61st Suite 500
City and State Tulsa, OK 74133-1201

Well was drilled under Permit No. CP 704 and is located in the:
a. ~~NW 1/4~~ ~~NE 1/4~~ SE 1/4 of Section 22 Township 22S Range 33E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in LEA County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Dubos Drilling License No. WD 1107
Address 5407 N. Golden Odessa, TX
Drilling Began 12-15-84 Completed 12-17-84 Type tools Rotary Size of hole 9 7/8 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 600 ft.
Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well Dry ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			<u>Dry</u>	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
<u>110</u>	<u>112</u>				
<u>112</u>	<u>114</u>				
<u>114</u>	<u>116</u>				

Section 5. PLUGGING RECORD

Plugging Contractor Dubos
Address 5407 N. Golden
Plugging Method Backfill native soil
Date Well Plugged 12-17-84
Plugging approved by _____

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

State Engineer Representative _____

FOR USE OF STATE ENGINEER ONLY

Date Received January 15, 1988 Quad _____ FWL _____ FSL _____
File No. CP-704 Use OWD Location No. 22.34.22.42133

35-34-55-45132

Section 7. REMARKS AND ADDITIONAL INFORMATION

此

STATE ENGINEER
ROSWELL, NM

belief, the foregoing is a true and correct record

Bill Dubong
Driller

Released to Imaging: 4/11/2024 9:05:03 AM



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 322231103262601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 322231103262601 22S.34E.23.23131

Lea County, New Mexico
Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83
Land-surface elevation 3,452 feet above NAVD88
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-06-10			D 72019	25.25			1	Z			A
1971-09-08			D 72019	26.98			P	Z			A
1976-12-16			D 72019	24.30			1	Z			A
1981-03-18			D 72019	23.37			1	Z			A
1986-04-10			D 72019	22.83			1	Z			A
1991-05-03			D 72019	22.53			1	Z			A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1996-02-21		D	72019	22.13			1	S			A
2015-12-18	21:30 UTC	m	72019	17.39			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2024-02-08 17:57:27 EST
0.3 0.24 nadww01

Appendix B

Field Data



Sample Log

Date: _____

Project: Perro Loco 22 B30B Fed 1H Battery

Project Number: 19398 Latitude: 32.370164 Longitude: -103.455536

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1@6"	—	1860	
FL1@1'	—	908	
FL1@2'	—	1312	
FL1 EW 1	—	412	
NW 1	—	500	
FL2@2'	—	1860	
FL3@2'	—	1312	
FL4@2'	—	1860	
FL5@2'	—	908	
FL1@3 FT	—	368	
FL2@3 FT	—	332	
FL3@7H	—	292	
FL4@3 FT	—	456	
FL5@3 FT	—	412	
FL6@3 FT	—	368	
FL7@3 FT	—	456	
FL8@1 FT	—	368	
FL9@1 FT	—	504	
FL10@1 FT	—	552	
FL11@1 FT	—	552	
FL12@1 FT	—	368	
FL13@1 FT	—	368	
FL14@1 FT	—	504	
FL15@1 FT	—	552	
FL16@1 FT	—	552	
FL17@6"	—	292	
FL18@6"	—	456	
FL19@6"	—	368	
FL20@6"	—	332	
FL21@6"	—	552	
FL22@6"	—	552	
FL23@6"	—	368	
FL24@6"	—	404	
FL24@1'	—	292	
NW 1		332	
NW 2		456	

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



Date: _____

Project Number: 19398 Latitude: 32.370164 Longitude: -103.455536


GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log

Photo Number: 1	 <p>22Nov23 15:33 MOC Perro Loco 22 B30B Fed #1H Battery Jaf NM 88252, United States 22-Nov-23 15:33:20</p>
Photo Direction: East-Northeast	
Photo Description: View of the affected area.	

Photo Number: 2	 <p>22Nov23 15:33 MOC Perro Loco 22 B30B Fed #1H Battery Jaf NM 88252, United States 22-Nov-23 15:33:30</p>
Photo Direction: East-Southeast	
Photo Description: View of the affected area.	

Photographic Log


Photo Number: 3	
Photo Direction: North-Northwest	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 5	 <p>22Nov23 15:35 MOC Perro Loco 22 B30B Fed #1H Battery Jal NM 88252, United States © 22-Nov-23 15:35:31</p>
Photo Direction: South	
Photo Description: View of the affected area.	

Photo Number: 6	 <p>22Nov23 15:35 MOC Perro Loco 22 B30B Fed #1H Battery Jal NM 88252, United States © 22-Nov-23 15:35:59</p>
Photo Direction: North-Northeast	
Photo Description: View of the affected area.	

Photographic Log


Photo Number: 7	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 8	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photographic Log


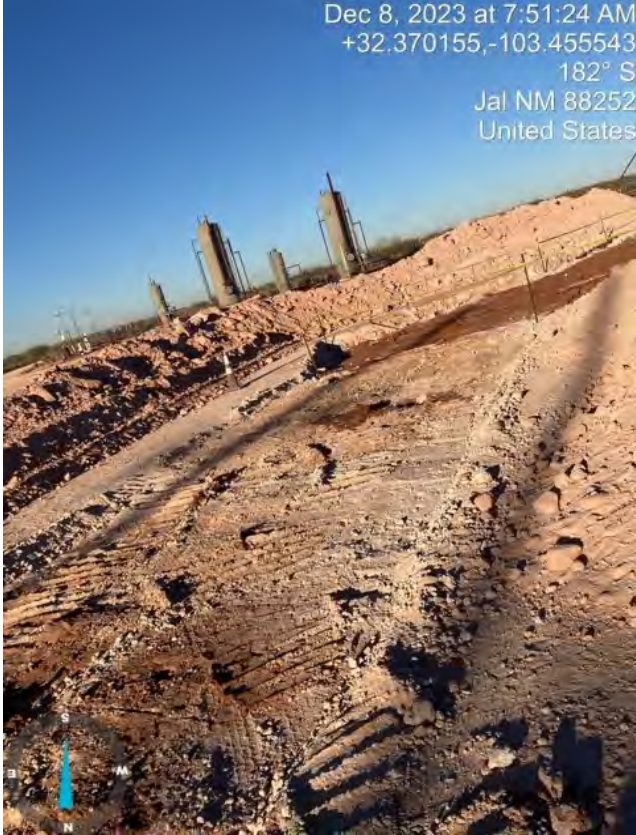
Photo Number: 9	 <p>Dec 8, 2023 at 7:49:13 AM +32.370232,-103.455710 183° S Jal NM 88252 United States</p>
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>Dec 8, 2023 at 7:51:24 AM +32.370155,-103.455543 182° S Jal NM 88252 United States</p>
Photo Direction: South	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 11	 <p>Dec 8, 2023 at 7:52:37 AM +32.370019, -103.455102 171° S Jal NM 88252 United States</p> <p>View of the excavated area.</p>
Photo Direction: South	
Photo Description:	

Photo Number: 12	 <p>Dec 8, 2023 at 7:52:48 AM +32.369926, -103.455077 171° S Jal NM 88252 United States</p> <p>View of the excavated area.</p>
Photo Direction: South	
Photo Description:	

Photographic Log

Photo Number: 13	
Photo Direction: Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 14	
Photo Direction: North-Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 15	
Photo Direction: East-Northeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 16	
Photo Direction: East	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 17	
Photo Direction: East-Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 18	
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

December 07, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PERRO LOCO 22 B30B FED 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/06/23 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 1 @ 3' (H236549-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2023	ND	1.96	98.1	2.00	5.14	
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90	
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61	
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76	
Total BTX	<0.300	0.300	12/06/2023	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	160	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 2 @ 3' (H236549-02)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	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	160	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/06/2023
 Reported: 12/07/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 3 @ 3' (H236549-03)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	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	368	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 4 @ 3' (H236549-04)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	128	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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: 12/06/2023
 Reported: 12/07/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 5 @ 3' (H236549-05)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 6 @ 3' (H236549-06)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	128	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 7 @ 3' (H236549-07)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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: 12/06/2023
 Reported: 12/07/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 8 @ 1' (H236549-08)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

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

Received: 12/06/2023
 Reported: 12/07/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 9 @ 1' (H236549-09)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	12/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 10 @ 1' (H236549-10)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 12/06/2023
 Reported: 12/07/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 11 @ 1' (H236549-11)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 12 @ 1' (H236549-12)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64		
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90		
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND						

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

Received:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 13 @ 1' (H236549-13)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64		
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90		
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 14 @ 1' (H236549-14)

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	12/06/2023	ND	1.96	98.1	2.00	5.14	
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90	
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61	
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76	
Total BTEX	<0.300	0.300	12/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 15 @ 1' (H236549-15)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/06/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/06/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 16 @ 1' (H236549-16)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: WW - 1 (H236549-17)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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:	12/06/2023	Sampling Date:	12/06/2023
Reported:	12/07/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: EW - 1 (H236549-18)

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	12/06/2023	ND	1.96	98.1	2.00	5.14		
Toluene*	<0.050	0.050	12/06/2023	ND	2.02	101	2.00	5.90		
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.01	101	2.00	5.61		
Total Xylenes*	<0.150	0.150	12/06/2023	ND	5.98	99.7	6.00	5.76		
Total BTEX	<0.300	0.300	12/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/07/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	198	98.8	200	3.64	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	208	104	200	9.90	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: See Remarks																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 19398 Project Owner: Mewbourne				City:																							
Project Name: Perro Loco 22 B30B Fed 1H Battery				State: NM Zip:																							
Project Location: 32.370164, -103.455536				Phone #:																							
Sampler Name: Martin Sepulveda				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
1		FL-1 @ 3'		C 1		X												X		X		X		12/6/23			
2		FL-2 @ 3'		C 1		X												X		X		X		12/6/23			
3		FL-3 @ 3'		C 1		X												X		X		X		12/6/23			
4		FL-4 @ 3'		C 1		X												X		X		X		12/6/23			
5		FL-5 @ 3'		C 1		X												X		X		X		12/6/23			
6		FL-6 @ 3'		C 1		X												X		X		X		12/6/23			
7		FL-7 @ 3'		C 1		X												X		X		X		12/6/23			
8		FL-8 @ 1'		C 1		X												X		X		X		12/6/23			
9		FL-9 @ 1'		C 1		X												X		X		X		12/6/23			
10		FL-10 @ 1'		C 1		X												X		X		X		12/6/23			
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																											
Relinquished By:				Date: 12-6-23				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
				Time: 14:45								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											
Relinquished By:				Date:				Received By:				REMARKS:															
				Time:								<p>RUSH SAMPLES 24 hr.</p> <p>Bill analytical charges to Mewbourne C/O Connor Walker and rush charges to Etech C/O Lance Crenshaw.</p> <p>Please email results and copy of CoC to pm@etechenv.com.</p>															
Delivered By: (Circle One)				-3.0°C				Sample Condition				CHECKED BY:															
Sampler - UPS - Bus - Other:				Cool Intact				Cool Intact				(Initials)															
				<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No																			

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 19398 Project Owner: Mewbourne Project Name: Perro Loco 22 B30B Fed 1H Battery Project Location: 32.370164, -103.455536 Sampler Name: Martin Sepuveda				BILL TO P.O. #: Company: See Remarks Attn: Address: City: State: NM Zip: Phone #: Fax #:				ANALYSIS REQUEST <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																											
FOR LAB USE ONLY Lab I.D. H236549		Sample I.D.		MATRIX GRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME																											
11		FL-11 @ 1'		C 1		X		X		12/6/23				X		X		X																	
12		FL-12 @ 1'		C 1		X		X		12/6/23				X		X		X																	
13		FL-13 @ 1'		C 1		X		X		12/6/23				X		X		X																	
14		FL-14 @ 1'		C 1		X		X		12/6/23				X		X		X																	
15		FL-15 @ 1'		C 1		X		X		12/6/23				X		X		X																	
16		FL-16 @ 1'		C 1		X		X		12/6/23				X		X		X																	
17		WW-1		C 1		X		X		12/6/23				X		X		X																	
18		EW-1		C 1		X		X		12/6/23				X		X		X																	

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Relinquished By: Date: 12-6-23 Time: 14:45	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: RUSH SAMPLES 24 hr. Bill analytical charges to Mewbourne C/O Connor Walker and rush charges to Etech C/O Lance Crenshaw. Please email results and copy of CoC to pm@etechenv.com.
---	---	---

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
---	--	--------------------------------------



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

December 08, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PERRO LOCO 22 B30B FED 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/07/23 14:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 17 @ 6" (H236580-01)

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	12/07/2023	ND	1.92	95.9	2.00	6.76	
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98	
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07	
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74	
Total BTEX	<0.300	0.300	12/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 18 @ 6" (H236580-02)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 19 @ 6" (H236580-03)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	80.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 20 @ 6" (H236580-04)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 21 @ 6" (H236580-05)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: FL - 22 @ 6" (H236580-06)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	64.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36		
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36		
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 23 @ 6" (H236580-07)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 24 @ 1' (H236580-08)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: NW - 1 (H236580-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTX	<0.300	0.300	12/07/2023	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	64.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: NW - 2 (H236580-10)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: EW - 2 (H236580-11)

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	12/07/2023	ND	1.92	95.9	2.00	6.76	
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98	
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07	
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74	
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: EW - 3 (H236580-12)

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	12/07/2023	ND	1.92	95.9	2.00	6.76	
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98	
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07	
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74	
Total BTEX	<0.300	0.300	12/07/2023	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	64.0	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WW - 2 (H236580-13)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: WW - 3 (H236580-14)

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	12/07/2023	ND	1.92	95.9	2.00	6.76	
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98	
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07	
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74	
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 12/07/2023
 Reported: 12/08/2023
 Project Name: PERRO LOCO 22 B30B FED 1H BATTERY
 Project Number: 19398
 Project Location: MEWBOURNE(32.370164-103.455536)

Sampling Date: 12/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 1 (H236580-15)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	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	48.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	12/07/2023	Sampling Date:	12/07/2023
Reported:	12/08/2023	Sampling Type:	Soil
Project Name:	PERRO LOCO 22 B30B FED 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19398	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE(32.370164-103.455536)		

Sample ID: NW - 3 (H236580-16)

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	12/07/2023	ND	1.92	95.9	2.00	6.76		
Toluene*	<0.050	0.050	12/07/2023	ND	2.03	101	2.00	5.98		
Ethylbenzene*	<0.050	0.050	12/07/2023	ND	2.00	100	2.00	5.07		
Total Xylenes*	<0.150	0.150	12/07/2023	ND	6.02	100	6.00	4.74		
Total BTEX	<0.300	0.300	12/07/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	191	95.4	200	2.36	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	178	89.0	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager


CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 19398 Project Owner: Mewbourne Project Name: Perro Loco 22 B30B Fed 1H Battery Project Location: 32.370164, -103.455536 Sampler Name: Martin Sepulveda										BILL TO P.O. #: Company: See Remarks Attn: Address: City: State: NM Zip: Phone #: Fax #:			ANALYSIS REQUEST									
FOR LAB USE ONLY Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX PRESERV. ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)													
1	FL-17 @ 6"	C	1		X		X	12/7/23		X	X	X										
2	FL-18 @ 6"	C	1		X		X	12/7/23		X	X	X										
3	FL-19 @ 6"	C	1		X		X	12/7/23		X	X	X										
4	FL-20 @ 6"	C	1		X		X	12/7/23		X	X	X										
5	FL-21 @ 6"	C	1		X		X	12/7/23		X	X	X										
6	FL-22 @ 6"	C	1		X		X	12/7/23		X	X	X										
7	FL-23 @ 6"	C	1		X		X	12/7/23		X	X	X										
8	FL-24 @ 1'	C	1		X		X	12/7/23		X	X	X										
9	NW-1	C	1		X		X	12/7/23		X	X	X										
10	NW-2	C	1		X		X	12/7/23		X	X	X										
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																						
Relinquished By:		Date: 12-7-23 Time: 14:41		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:		RUSH SAMPLES Bill analytical charges to Mewbourne C/O Connor Walker and rush charges to Etech C/O Lance Crenshaw. Please email results and copy of CoC to pm@etechenv.com.														
Relinquished By:		Date: Time:		Received By:		Sample Condition: Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)		Delivered By: (Circle One) 1.10c Sampler - UPS - Bus - Other: \$140												

 FORM-006
 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: 2617 West Marland				Company: See Remarks																			
City: Hobbs State: NM Zip: 88240				Attn:																			
Phone #: (575) 264-9884 Fax #:				Address:																			
Project #: 19398 Project Owner: Mewbourne				City:																			
Project Name: Perro Loco 22 B30B Fed 1H Battery				State: NM Zip:																			
Project Location: 32.370164, -103.455536				Phone #:																			
Sampler Name: Martin Sepulveda				Fax #:																			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME											
H234580						C 1		X		X		12/7/23		X X X									
12						C 1		X		X		12/7/23		X X X									
13						C 1		X		X		12/7/23		X X X									
14						C 1		X		X		12/7/23		X X X									
15						C 1		X		X		12/7/23		X X X									
16						C 1		X		X		12/7/23		X X X									
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																							
Relinquished By: <i>[Signature]</i>				Date: 12-7-23		Received By: <i>[Signature]</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:											
Relinquished By:				Time: 14:41		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:											
Relinquished By:				Date:		Received By:				REMARKS:													
Relinquished By:				Time:		Received By:				RUSH SAMPLES													
Delivered By: (Circle One)				-1.0		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				CHECKED BY: (Initials) <i>[Signature]</i>		Bill analytical charges to Mewbourne C/O Connor Walker and rush charges to Etech C/O Lance Crenshaw. Please email results and copy of CoC to pm@etechenv.com.											
Sampler - UPS - Bus - Other:				#140																			

FORM-006
Revision 1.0

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Appendix E

Regulatory Correspondence

From: [Wells, Shelly, EMNRD](#)
To: [Tamarah Kendrick; blm_nm_cfo_spill@blm.gov](#)
Cc: [Ben Arguijo](#); [Lance Crenshaw](#); [Conner Walker \(cwalker@mewbourne.com\)](#); [jbroom@mewbourne.com](#); [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] nAPP2333538592– Perro Loco 22 B30B Fed 1H Battery - Sampling Notification
Date: Friday, December 1, 2023 12:31:50 PM
Attachments: [image001.png](#)

Hi Tamarah,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Tamarah Kendrick <tamarah@etechenv.com>
Sent: Friday, December 1, 2023 11:07 AM
To: blm_nm_cfo_spill@blm.gov; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ben Arguijo <bena@etechenv.com>; Lance Crenshaw <lance@etechenv.com>; Conner Walker (cwalker@mewbourne.com) <cwalker@mewbourne.com>; jbroom@mewbourne.com
Subject: [EXTERNAL] nAPP2333538592– Perro Loco 22 B30B Fed 1H Battery - Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice Etech intends to begin confirmation sampling for the following reportable release site beginning 12/06/2023.

nAPP2333538592– Perro Loco 22 B30B Fed 1H Battery

Anticipated sampling time will be at 7:00 AM.

Confirmation sampling will continue throughout the remediation process as required and/or necessary.

If you have any questions or need any additional information, please feel free to contact Lance Crenshaw by phone or email:

Lance Crenshaw
Etech Environmental
Phone 575-631-1064
lance@etechenv.com

Tamarah Kendrick

Project Coordinator

ETech - Environmental and Safety Solutions

2617 W. Marland Blvd

Hobbs, NM 88240



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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 315098

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	315098
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333538592
Incident Name	NAPP2333538592 PERRO LOCO 22 B3OB FED COM #1H @ 30-025-42288
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-42288] PERRO LOCO 22 B3OB FEDERAL #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Perro Loco 22 B3OB Fed Com #1H
Date Release Discovered	11/22/2023
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	Cause: Equipment Failure Producing Well Crude Oil Released: 4 BBL Recovered: 1 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Producing Well Produced Water Released: 28 BBL Recovered: 7 BBL Lost: 21 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 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	315098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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.
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.	

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: 12/04/2023
--	---

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QUESTIONS, Page 3

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	315098
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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 75 and 100 (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	Greater than 5 (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 ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (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	Low
A 100-year floodplain	Greater than 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
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.	
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)	368
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	11/30/2023
On what date will (or did) the final sampling or liner inspection occur	12/01/2023
On what date will (or was) the remediation complete(d)	12/11/2023
What is the estimated surface area (in square feet) that will be reclaimed	7772
What is the estimated volume (in cubic yards) that will be reclaimed	420
What is the estimated surface area (in square feet) that will be remediated	7772
What is the estimated volume (in cubic yards) that will be remediated	420

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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QUESTIONS, Page 4

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	315098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
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	Not answered.
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.
<i>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>	
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: 02/16/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 315098
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

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QUESTIONS, Page 6

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	315098
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	294269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2023
What was the (estimated) number of samples that were to be gathered	34
What was the sampling surface area in square feet	4984

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	7772
What was the total volume (cubic yards) remediated	420
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	7772
What was the total volume (in cubic yards) reclaimed	420
Summarize any additional remediation activities not included by answers (above)	Please see attached closure request for full remediation details.

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: 02/16/2024
--	---

District I

1625 N. French Dr., Hobbs, NM 88240
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District II

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District III

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District IV

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 7

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	315098
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	7772
What was the total volume of replacement material (in cubic yards) for this site	420

Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	03/01/2045

Summarize any additional reclamation activities not included by answers (above)	The area will be reseeded upon the plug and abandonment of the well and decommissioning of the facility.
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The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: 02/16/2024
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QUESTIONS, Page 8

Action 315098

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	315098
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 315098

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 315098
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	4/11/2024