



MCollier@H-R_Enterprises.com 575-909-0326

Site Assessment and Closure Report

Triste Draw 25 Federal #001
Incident# nAPP2315862127
Lea County, New Mexico

Prepared For:

Cimarex Energy Co.
6001 Deauville Blvd. Suite 300N
Midland, TX 79706

Prepared By:

H&R Enterprises, LLC
5120 W. Kansas St.
Hobbs, New Mexico 88242

July 6, 2023

Mr. Mike Bratcher
NMOCD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Site Assessment and Closure Report**
Triste Draw 25 Federal #001
Lea County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. has contracted H&R Enterprises (H&R) to perform site assessment and remediation services at the above-referenced location. The results of our site assessment activities are contained herein.

Site Information

The Triste Draw 25 Federal #001 is located approximately 30.6 miles West of Jal, New Mexico. The legal location for this release is Unit Letter P, Section 25, Township 23 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.26939 North and -103.62188 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pyote and Maljamar fine sands, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). Drainage courses in this area are typically dry. The project site is not located in a high Karst potential area (Karst Map, [Appendix I](#)).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer (NMOSE) web site indicates that the nearest reported depth to groundwater is 400-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater	400 Feet/BGS
---	---------------------

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole, or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

Due to groundwater data from the NMOSE not being current an exploratory water bore was drilled to a total depth of 55-feet BGS on the Triste Draw 25 Federal #002H well pad approximately 0.24 miles to the east of the release area. As no groundwater was present, the closure criteria for this site are as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
51-100 feet	Chloride **	EPA 300.0 or SM4500 CIB	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	DRO+GRO	EPA SW-846 Method 8015	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On June 07, 2023, it was discovered that the well had been frac'd into causing the release of 112 barrels (bbls) of produced water to be released out of the stuffing box. The lease operator shut in the rod BOP and replaced the packing, controlling the release. All fluid remained on the well pad. A total of 70 bbls of produced water was recovered.

Site Assessment Activities

H&R mobilized personnel to begin site assessment and sampling activities of the location. Grab samples were obtained by way of test trenching. Samples were transported to Cardinal Laboratory for analysis. The results of that analysis are presented in the following data table. Initial site assessment locations are illustrated on Site Assessment Map, [Appendix I](#). Photographic documentation of the location are attached in [Appendix IV](#). Complete laboratory reports can be found in [Appendix V](#).

Table 1: Initial Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	1000 mg/kg		2500 mg/kg	2500 mg/kg	10,000 mg/kg
TT-1	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	688
		2'	ND	ND	ND	ND	ND	0	1140
		3'	ND	ND	ND	ND	ND	0	2040
		4'	ND	ND	ND	ND	ND	0	1180
		6'	ND	ND	ND	ND	ND	0	816
		8'	ND	ND	ND	ND	ND	0	224
TT-2	6/27/2023	0-1'	ND	ND	ND	149	108	257	768
		2'	ND	ND	ND	ND	ND	0	48
		3'	ND	ND	ND	ND	ND	0	32
TT-3	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	512
		2'	ND	ND	ND	ND	ND	0	32
		3'	ND	ND	ND	ND	ND	0	32
TT-4	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	224
		2'	ND	ND	ND	ND	ND	0	32
		3'	ND	ND	ND	ND	ND	0	32
H-1	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	ND
H-2	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	64
H-3	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	ND
H-4	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	32
H-5	6/27/2023	0-1'	ND	ND	ND	10.1	ND	10.1	ND
H-6	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	32
H-7	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	64
H-8	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	16
H-9	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	16
H-10	6/27/2023	0-1'	ND	ND	ND	ND	ND	0	64
H-11	6/27/2023	0-1'		ND	ND	ND	ND	0	ND

ND = Analyte Not Detected TT = Vertical Test Trench Sample H = Horizontal Sample

Based on the results of our site assessment, full horizontal and vertical delineation was achieved and no remediation is required at this time.

Closure

Based on the site assessment activity results completed for this project, on behalf of Cimarex Energy Co. we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC



Michael Collier
Environmental Project Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone, Water Bore Map, Soil Log

Appendix III Initial and Final C-141

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

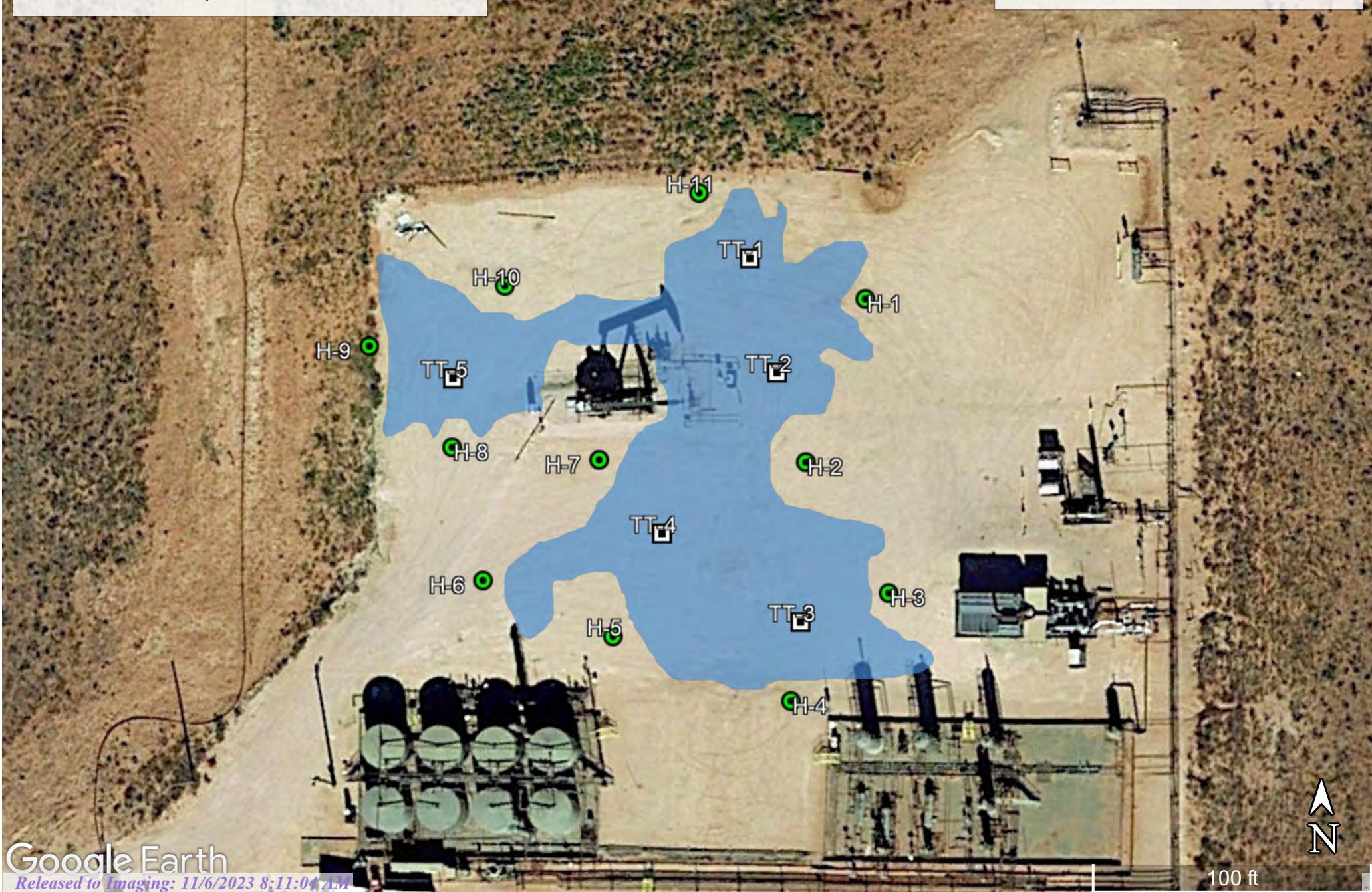
LOCATOR MAP

Triste Draw 25 Federal #001H

Cimarex Energy Co.
Incident# nAPP2315862127
Lea County, NM
Site Assessment Map

Legend





- Vertical Test Trench Sample Point
- Horizontal Sample Point
- Initial Release Area





Triste Draw 25 Federal #001

Cimarex Energy Co.
Incident# nAPP2315862127
Lea County, NM
Karst Map

Legend

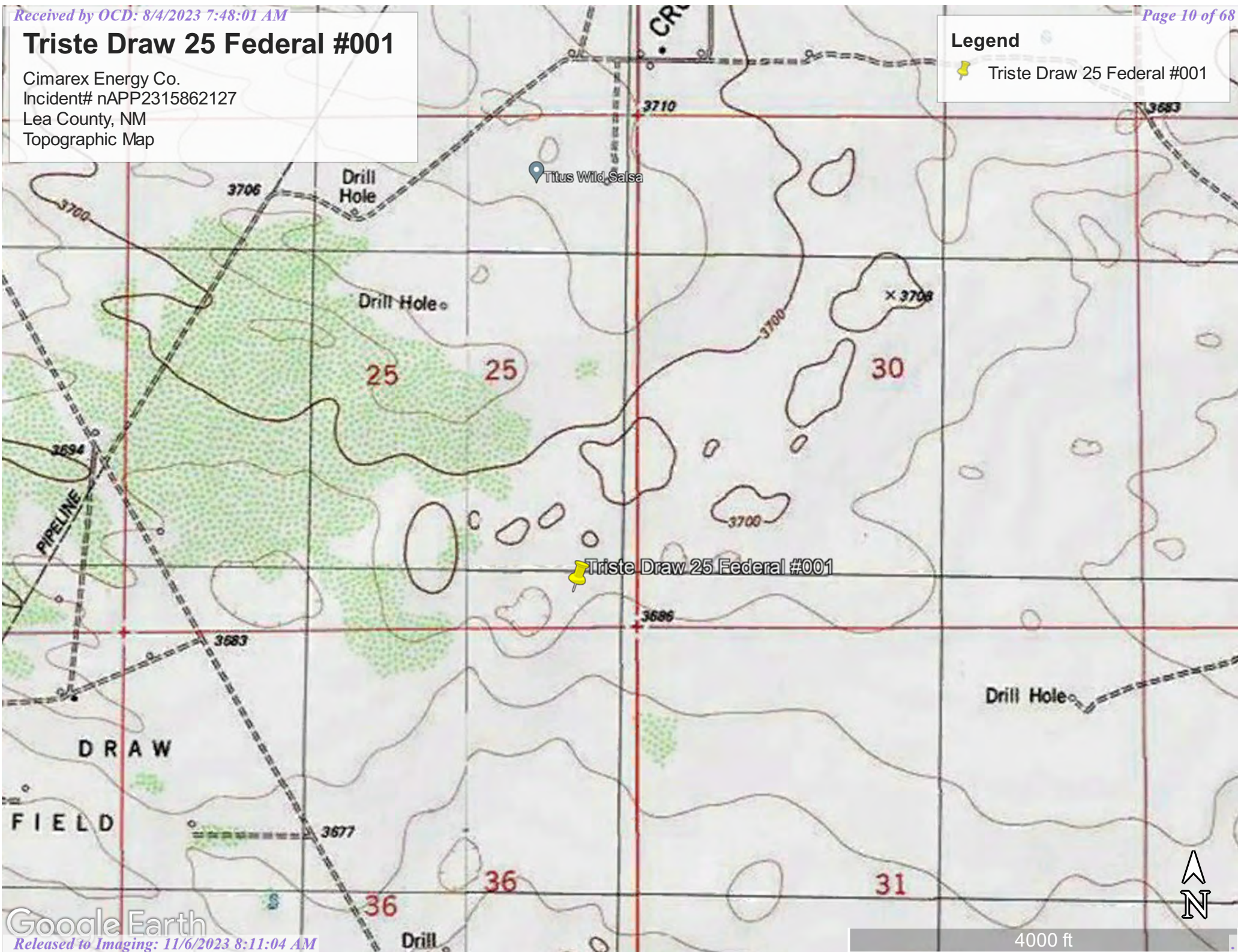
-  High
-  Low
-  Medium
-  Triste Draw 25 Federal #001

 Titus Wild Salsa

 Triste Draw 25 Federal #001

Cimarex Energy Co.
Incident# nAPP2315862127
Lea County, NM
Topographic Map


Triste Draw 25 Federal #001

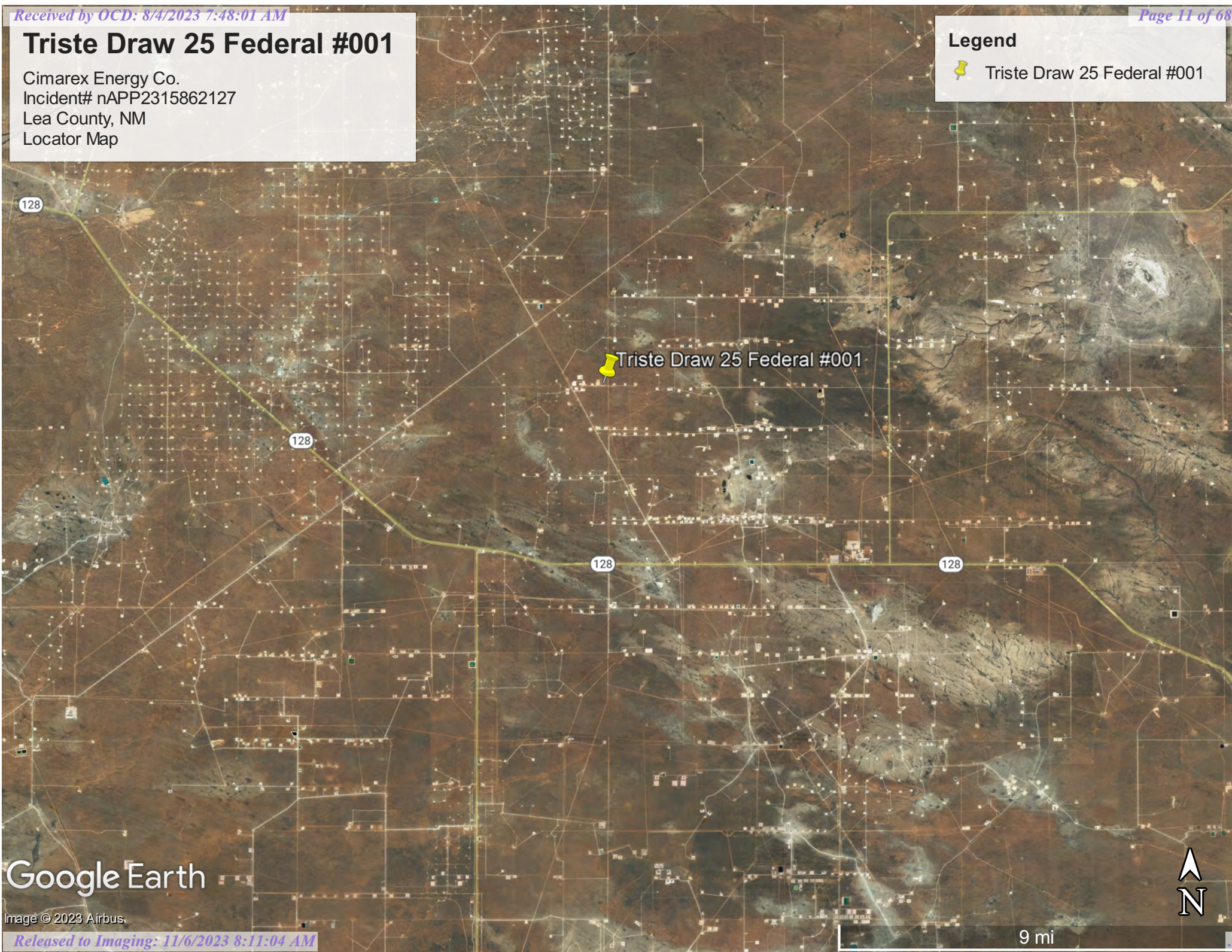


Triste Draw 25 Federal #001

Cimarex Energy Co.
Incident# nAPP2315862127
Lea County, NM
Locator Map

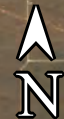
Legend

 Triste Draw 25 Federal #001



Google Earth

Image © 2023 Airbus



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APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

WATER BORE MAP

SOIL BORE LOG



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec 31	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04551 POD1		CUB	LE	4	4	3	31	23S	33E	630671	3569556	<input type="checkbox"/>	1763		
C_02276		CUB	LE	3	1	4	19	23S	33E	630848	3573154*	<input type="checkbox"/>	2296	650	400 250
C_02275		CUB	LE	3	3	2	19	23S	33E	630843	3573557*	<input type="checkbox"/>	2660	650	400 250

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

Record Count: 3

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 629818.93

Northing (Y): 3571100.95

Radius: 3000

*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.

3/2/23 9:55 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

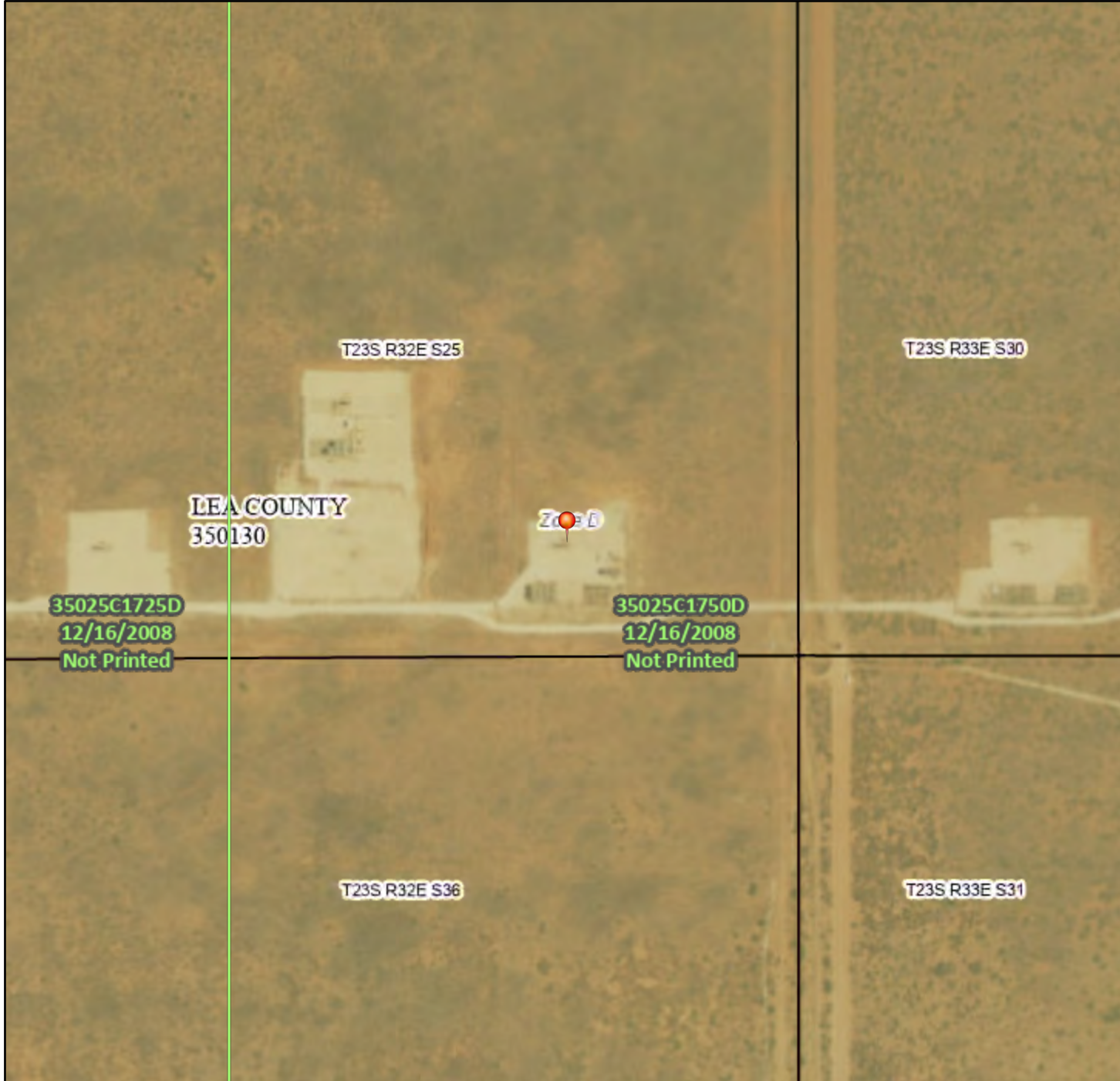
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°37'37"W 32°16'25"N



Legend

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

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

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




The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/1/2022 at 1:39 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

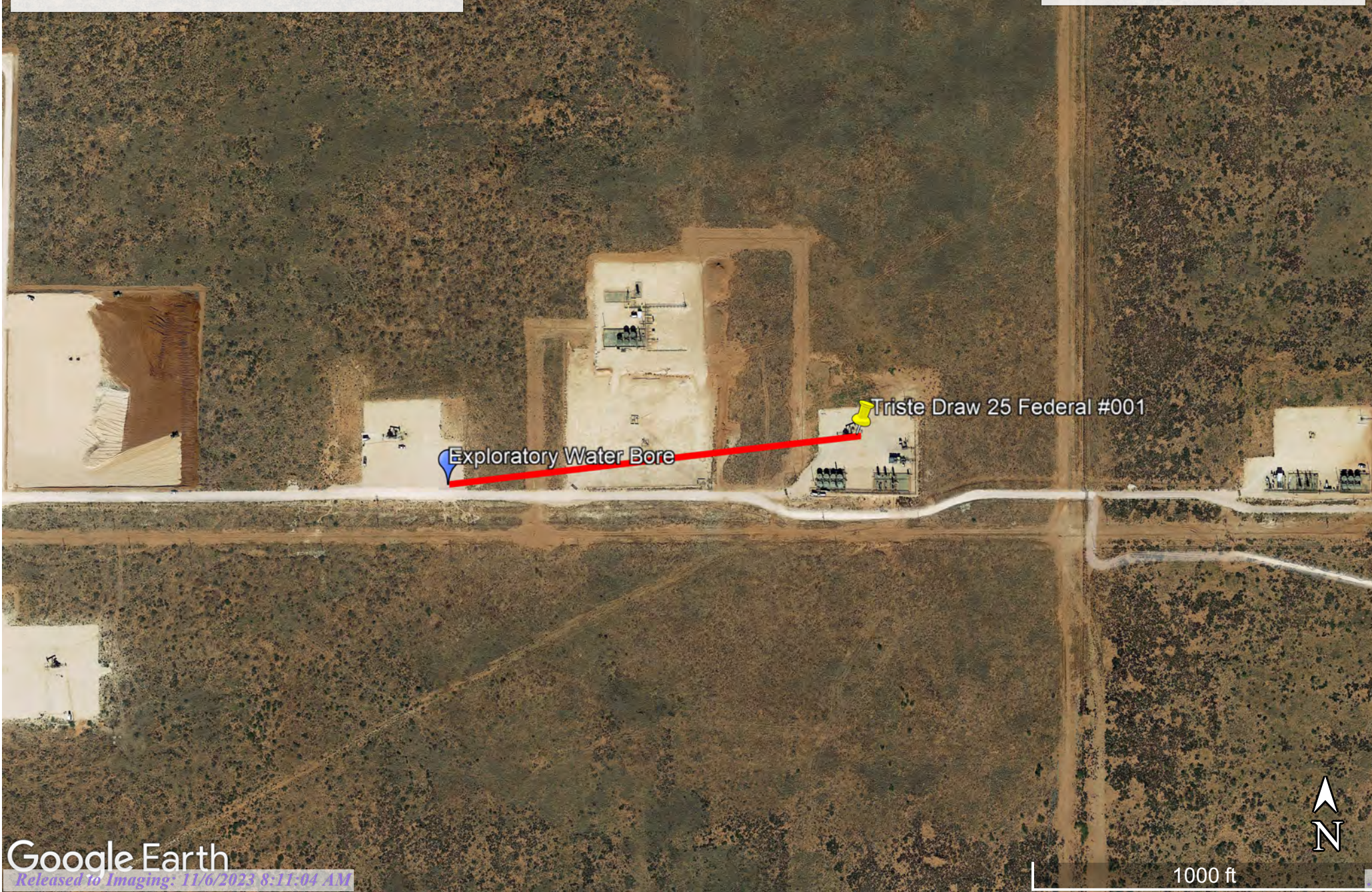
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Triste Draw 25 Federal #001

Cimarex Energy Co.
Incident# nAPP2315862127
Lea County, NM
Exploratory Water Bore Map

Legend

-  0.24 miles
-  Exploratory Water Bore
-  Triste Draw 25 Federal #001



Exploratory Water Bore

Triste Draw 25 Federal #001





Project Name :	Cimarex - Triste Draw 25 Fed #001	Date :	Wednesday, October 27th, 2021
Project No. :	214707	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.269008°, -103.625727°	Method :	Air Rotary
Elevation :	3,625'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish orange, coarse-grained loose sand and white caliche gravel in equal amounts. (SP). Dry		50		(50') - Yellowish orange, loose alluvial sand and gravel. Pebble size chert fragments. Chert is white to medium gray, angular to subrounded. >50% fine grained sand w/ 20% chert. (SW) Dry	
5		(3') - Reddish brown, coarse-grained to fine-grained, angular to rounded loose sand (SM). Dry		55		(55') - GWDB terminated @ 11:00 (MT) to a TD of 55' bgs	
10				60			
15		(15') - Yellowish orange, alluvial sand and gravelk. Well-graded fine-grained sand with <10% cobble sized white caliche (SW). Dry		65			
20				70			
25				75			
30				80			
35				85			
40				90			
45		(45') - Yellowish orange, rounded to angular loose sand with <10% caliche gravel. (SW) Dry		95			
50				105			

Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

Check for presence of groundwater on 11/01/2021

APPENDIX III

INITIAL C-141

FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2315862127
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2315862127
Contact mailing address: 6001 Deauville Blvd., Suite 300N Midland, TX 79706	

Location of Release Source

Latitude 32.26939 _____ Longitude -103.62188 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Triste Draw 25 Federal 1H	Site Type: Well Pad
Date Release Discovered: 6/7/2023	API# (if applicable) 30-025-40877

Unit Letter	Section	Township	Range	County
P	25	23S	32E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 132	Volume Recovered (bbls) 70
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Other

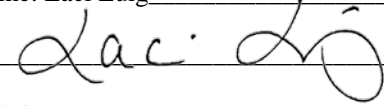
The well was found to have been frac'd into, causing calculated 132 barrels fluid to be released out of the stuffing box. The lease operator shut in the rod BOP and replaced the packing, controlling the release. All fluids remained on the location. A vac truck was able to recover a total of 70 barrels fluid. An environmental company will assess the impacted soil and develop a remediation plan. Amount released: 132 barrels of produced water Amount recovered: 70 barrels of produced water

Incident ID	nAPP2315862127
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount released is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Gloria Garza To: OCD Enviro., BLM By: Email	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig	Title: ESH Specialist
Signature: 	Date: 6/7/2023
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: Shelly Wells	Date: 8/4/2023

Incident ID	nAPP2315862127
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2315862127
District RP	
Facility ID	
Application ID	

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

Printed Name: Laci Luig _____ Title: ESH Specialist _____

Signature:  _____

Date: 7/10/2023 _____

email: laci.luig@coterra.com _____

Telephone: (432) 208-3035 _____

OCD Only

Received by: Shelly Wells _____

Date: 8/4/2023 _____

Incident ID	nAPP2315862127
District RP	
Facility ID	
Application ID	

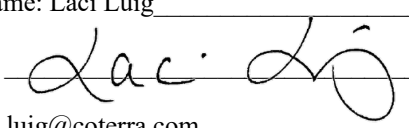
Closure

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

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

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


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

Printed Name: Laci Luig _____ Title: ESH Specialist _____
Signature:  _____ Date: 7/10/2023 _____
email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: Shelly Wells _____ Date: 8/4/2023 _____

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

Closure Approved by:  _____ Date: 11/06/2023 _____
Printed Name: Nelson Velez _____ Title: Environmental Specialist - Adv _____

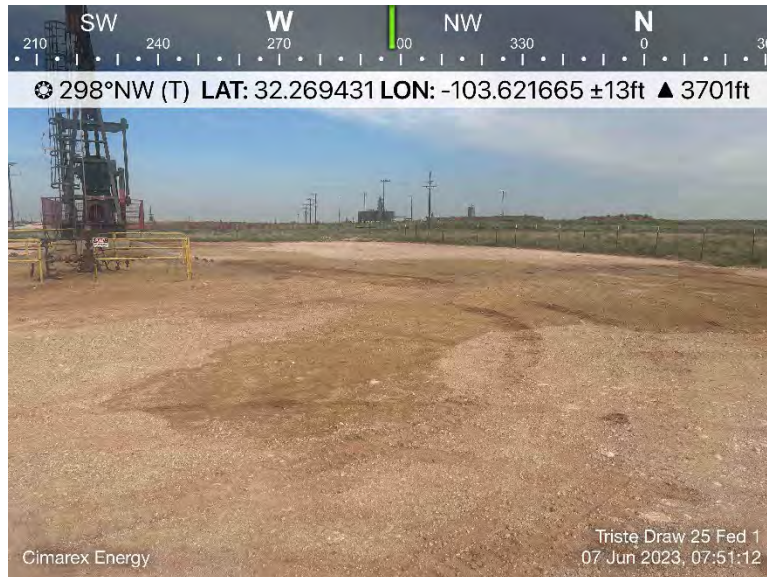
Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.

Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 11/06/2023. Release resolved.

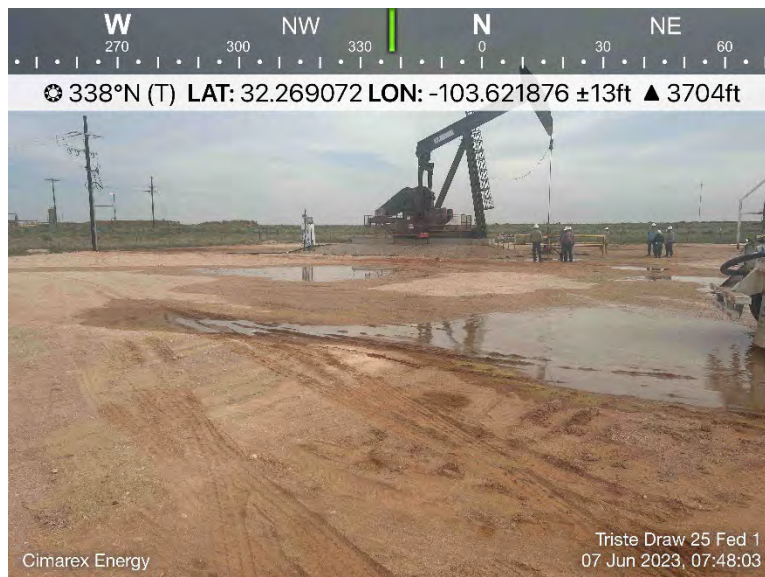
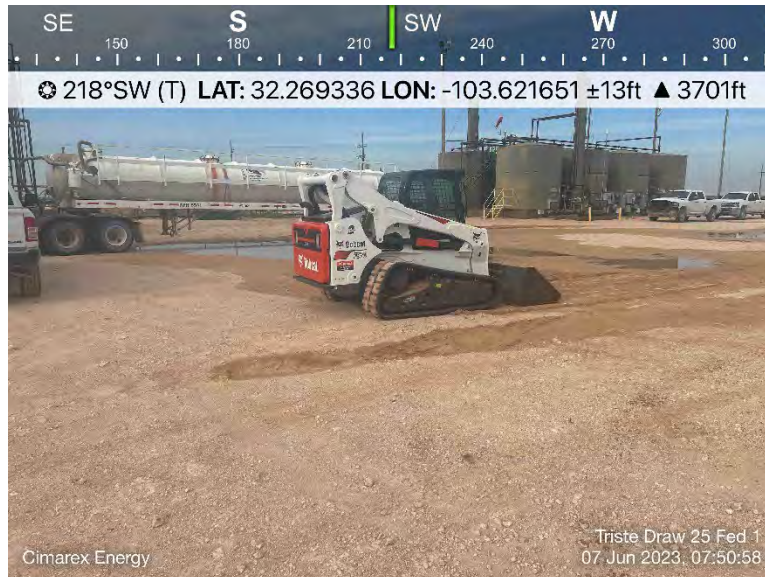
APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

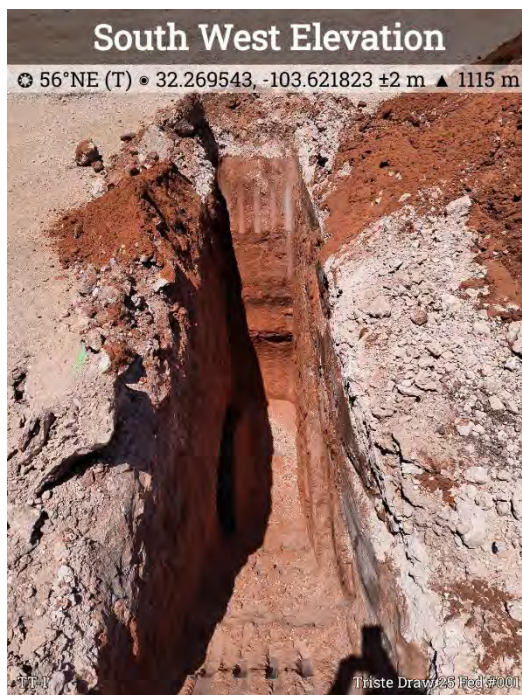
INITIAL RELEASE PHOTOGRAPHS

PHOTOGRAPHIC DOCUMENTATION

INITIAL RELEASE PHOTOGRAPHS

PHOTOGRAPHIC DOCUMENTATION

TEST TRENCH SAMPLE LOCATION PHOTOGRAPHS



TT-1



TT-2

PHOTOGRAPHIC DOCUMENTATION

TEST TRENCH SAMPLE LOCATION PHOTOGRAPHS



TT-3



TT-4

PHOTOGRAPHIC DOCUMENTATION

TEST TRENCH SAMPLE LOCATION PHOTOGRAPHS



TT-5

APPENDIX V

LABORATORY REPORTS



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

June 30, 2023

JIM HAWLEY

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: TRISTE DRAW 25 FED #001

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 11:15.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 0-1' (H233335-01)

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	06/28/2023	ND	2.05	103	2.00	1.44	
Toluene*	<0.050	0.050	06/28/2023	ND	2.15	107	2.00	7.16	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.18	109	2.00	2.26	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.53	109	6.00	2.47	
Total BTX	<0.300	0.300	06/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	688	16.0	06/28/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	198	98.9	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	181	90.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 2' (H233335-02)

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	06/28/2023	ND	2.05	103	2.00	1.44	
Toluene*	<0.050	0.050	06/28/2023	ND	2.15	107	2.00	7.16	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.18	109	2.00	2.26	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.53	109	6.00	2.47	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	06/28/2023	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	06/28/2023	ND	198	98.9	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	181	90.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 3' (H233335-03)

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	06/28/2023	ND	2.05	103	2.00	1.44		
Toluene*	<0.050	0.050	06/28/2023	ND	2.15	107	2.00	7.16		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.18	109	2.00	2.26		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.53	109	6.00	2.47		
Total BTEx	<0.300	0.300	06/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2040	16.0	06/28/2023	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	06/28/2023	ND	198	98.9	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	181	90.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 4' (H233335-04)

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	06/28/2023	ND	2.05	103	2.00	1.44		
Toluene*	<0.050	0.050	06/28/2023	ND	2.15	107	2.00	7.16		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.18	109	2.00	2.26		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.53	109	6.00	2.47		
Total BTEX	<0.300	0.300	06/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	1180	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 6' (H233335-05)

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	06/28/2023	ND	2.05	103	2.00	1.44	
Toluene*	<0.050	0.050	06/28/2023	ND	2.15	107	2.00	7.16	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.18	109	2.00	2.26	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.53	109	6.00	2.47	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 1 8' (H233335-06)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTX	<0.300	0.300	06/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	224	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 126 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 2 0-1' (H233335-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45	
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 122 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 2 2' (H233335-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTEX	<0.300	0.300	06/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	112	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 117 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 2 3' (H233335-09)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-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	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 3 0-1' (H233335-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	149	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	108	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 3 2' (H233335-12)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTEX	<0.300	0.300	06/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 127 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 3 3' (H233335-13)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	1.89	94.4	2.00	2.45		
Toluene*	<0.050	0.050	06/28/2023	ND	1.86	93.0	2.00	2.97		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	1.87	93.6	2.00	3.69		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	5.59	93.2	6.00	3.81		
Total BTX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 4 0-1' (H233335-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 4 2' (H233335-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08		
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01		
Total BTX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 125 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 4 3' (H233335-17)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08		
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01		
Total BTX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 5 0-1' (H233335-19)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 5 2' (H233335-20)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08		
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01		
Total BTEX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 118 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: TT - 5 3' (H233335-21)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08		
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01		
Total BTEX	<0.300	0.300	06/28/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 1 0-1' (H233335-23)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 2 0-1' (H233335-24)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-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	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 3 0-1' (H233335-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 4 0-1' (H233335-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 130 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 5 0-1' (H233335-27)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/28/2023	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	06/29/2023	ND	208	104	200	0.761	
DRO >C10-C28*	10.1	10.0	06/29/2023	ND	206	103	200	0.631	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 6 0-1' (H233335-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 7 0-1' (H233335-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-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	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 8 0-1' (H233335-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 9 0-1' (H233335-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 10 0-1' (H233335-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-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	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 06/28/2023
Reported: 06/30/2023
Project Name: TRISTE DRAW 25 FED #001
Project Number: (TRISTE)
Project Location: CIMAREX - LEA CO NM

Sampling Date: 06/27/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H - 11 0-1' (H233335-33)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	2.08	
Toluene*	<0.050	0.050	06/28/2023	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.12	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.58	110	6.00	2.01	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/28/2023	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	06/28/2023	ND	199	99.6	200	4.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	192	96.0	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H&R ENTERPRISES				BILL TO				ANALYSIS REQUEST															
Project Manager: M. COLLIER				P.O. #:																			
Address:				Company: CIMAREX																			
City:		State:		Zip:		Attn: LACI LUIK																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner: CIMAREX		City:																			
Project Name: TRISTE DRAW 25 FED #001 (TRISTE)				State:																Zip:			
Project Location: LEA COUNTY, NM				Phone #:																			
Sampler Name: M. COLLIER				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING		BTEX TPH CHLORIDES											
H233335																							
1 TT-1 0-1'				G 1		X		X		6-27-23		X X X											
2 2'																							
3 3'																							
4 4'																							
5 6'																							
6 8'																							
7 TT-2 0-1'																							
8 2'																							
9 3'																							
10 4 HOLD																							

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Relinquished By: M. Coll		Date: 6-28-23	Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1115		Time: [Signature]		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS: P6 1 of 4 2-DAY RUSH	
Time:						
Delivered By: (Circle One)		Observed Temp. °C 2.1	Sample Condition		CHECKED BY: (Initials) [Signature]	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 1.5	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact Observed Temp. °C	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	
			<input type="checkbox"/> Yes <input type="checkbox"/> No			

FORM-006 R 3.3 07/18/22

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				BILL TO				ANALYSIS REQUEST																	
Project Manager:				P.O. #:																					
Address:				Company:																					
City:				Attn:																					
Phone #:				Address:																					
Project #:				City:																					
Project Name:				State: Zip:																					
Project Location:				Phone #:																					
Sampler Name:				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTEx		TPH		CHLORIDES			
H233335				G		1		GROUNDWATER		X		ACID/BASE:		X		6-27-23				X		X		X	
11		TT-3 0-1'						WASTEWATER				ICE / COOL													
12		2'						SOIL				OTHER:													
13		3'						OIL																	
14		4'		HOLD				SLUDGE																	
15		TT-4 0-1'																							
16		2'																							
17		3'																							
18		4'		HOLD																					
19		TT-5 0-1'																							
20		2'																							

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Relinquished By:		Date: 6-28-23		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 11:15				Time: 11:15		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:						PG 2 of 4 2-DAY RUSH	
Delivered By: (Circle One)		Observed Temp. °C 2.1		Sample Condition		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 1.5		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cool Intact Observed Temp. °C	
				No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
				No <input type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C	
FORM-006 R 3.3 07/16/22				CHECKED BY: (Initials)		Thermometer ID #113	
				J		Correction Factor -0.6°C	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				BILL TO				ANALYSIS REQUEST																
Project Manager:				P.O. #:																				
Address:				Company:																				
City:				Attn:																				
Phone #:				Address:																				
Project #:				City:																				
Project Name:				State: Zip:																				
Project Location:				Phone #:																				
Sampler Name:				Fax #:																				
FOR LAB USE ONLY																								
Lab I.D.		Sample I.D.		(G/RAB OR C/OMP)	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		BTEX	TPH	CHLORIDES							
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:										DATE
H233335		H-9 0-1'		G	1			X				X		6-27-23		X	X	X						
31		H-10																						
32		H-11																						
33																								
<small>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 service. 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.</small>																								
Relinquished By:				Date: 6-28-23		Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:														
Relinquished By:				Time: 1115						All Results are emailed. Please provide Email address:														
				Date:						REMARKS:														
				Time:						PG 4 of 4 2-DAY RUSH														
Delivered By: (Circle One)				Observed Temp. °C 2.1		Sample Condition				CHECKED BY: (Initials)				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition						
Sampler - UPS - Bus - Other:				Corrected Temp. °C 1.5		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				V				Thermometer ID #113 Correction Factor -0.6°C				Cool Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C						
<small>FORM-006 R 3.3 07/18/22 * Cardinal cannot accept responsibility for results if sample is not properly preserved and labeled.</small>																								

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 248163

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 248163
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations. Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 11/06/2023. Release resolved.	11/6/2023