



[MCollier@H-R\\_Enterprises.com](mailto:MCollier@H-R_Enterprises.com) 575-909-0326

## Remediation and Closure Report

Triste Draw 25 Federal 1,2,7 CTB  
Incident# nAPP2203769738  
Lea County, New Mexico

### Prepared For:

Cimarex Energy Co.  
600 Marienfeld St.  
Midland, TX 79701

### Prepared By:

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

**May 31, 2022**

Mrs. Jennifer Nobui  
**NMOCD**  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Subject: **Reclamation and Closure Report**  
Triste Draw 25 Federal 1,2,7 CTB  
Lea County, NM

Dear Mrs. Nobui,

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

### Site Information

The Triste Draw 25 Federal 1,2,7 CTB is located approximately 29.8 miles Northwest 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 32.2694244 North and -103.6218796 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 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.

<b>Approximate Depth to Groundwater</b>	<b>400 Feet/BGS</b>
---	---------------------

<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

As this location is in an area with a depth to groundwater of more than 100-feet BGS, but not within 0.5-miles 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**
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 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 February 4, 2022, a flare fire occurred on the location due to a 2-inch back pressure Kimray valve that did not have air supply and failed to open the vessel to equalize pressure with heater, and fluid went out the to the top of the vessel to the pre-flare scrubber, burning before hitting the ground surface. See the Initial C-141 in [Appendix III](#).



## Site Assessment, Remediation, and Confirmation Sampling Activities

On February 10, 2022, Cimarex collected two grab samples from the impacted area as well as a background sample. The samples were sent to Permian Basin Environmental Lab for analysis. Results from that analysis are presented in the following table. Initial sample locations are illustrated in Initial Sample Map, [Appendix I](#).

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	mg/kg
S1	2/10/2022	0'	0.33172	0.00292	ND	8540	2950	11490	559
S2	2/10/2022	0'	ND	ND	ND	5050	1150	6200	91.3
BG	2/10/2022	0'	ND	ND	ND	ND	ND	0	3.06

ND = Analyte Not Detected BG = Background

Based on the results of the initial samples, excavation of the impacted area to a depth of 0.5-feet BGS. On February 25, 2022, H&R mobilized personnel to perform confirmation sampling activities of the excavation. Composite samples of the excavation were obtained as well as 3 background samples and the results are presented in the following data table. Confirmation sampling and excavation locations are illustrated on Confirmation Sample Map, [Appendix I](#). Confirmation samples were sent to Cardinal Laboratory to confirm NMOCD closure criteria had been met. Before and after photographs of the location are attached in [Appendix VI](#).

Table 2: Confirmation Soil Sample 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	100 mg/kg			100 mg/kg	600 mg/kg
S-1	2/25/2022	0.5'	ND	ND	ND	26.9	ND	26.9	160
S-2	2/25/2022	0.5'	ND	ND	ND	72.5	ND	72.5	48
S-3	2/25/2022	0.5'	ND	ND	ND	ND	ND	0	32
BG-1	2/25/2022	0'	ND	ND	ND	ND	ND	0	16
BG-2	2/25/2022	0'	ND	ND	ND	ND	ND	0	32
BG-3	2/25/2022	0'	ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected BG = Background

Table 3: Final Confirmation Soil Sample 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	100 mg/kg			100 mg/kg	600 mg/kg
S-1	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	32
S-2	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	32
S-3	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	16
S-4	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	16
S-5	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-6	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-7	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-8	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-9	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	32
S-10	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	16
S-11	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-12	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-13	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-14	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
S-15	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	48
S-16	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	16
SW-1	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
SW-2	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	16
SW-3	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
SW-4	5/18/2022	0.5'	ND	ND	ND	ND	ND	0	ND
ND = Analyte Not Detected SW = Sidewall									

## Remedial Actions

- The impacted areas in the vicinity of sample points S-1 and S-16 were excavated to a total depth of 0.5-feet BGS.
- Composite confirmation samples were obtained from the bottoms of the excavated areas to verify that all contaminants above closure criteria had been removed. Background samples were collected to ensure closure criteria was met. The results are shown on Table 2 as well as Table 3 and the corresponding lab reports may be found in [Appendix V](#).
- All the excavated material was hauled to a NMOCD approved solid waste disposal facility.
- The excavated areas on the well pad were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location. The area off pad were backfilled with sand and contoured to match the surrounding area.
- The Final C-141 formally documenting the remedial actions is attached in [Appendix III](#).

## Closure

Based on the site assessment, remedial actions and confirmation sampling 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 Map
- Appendix III Initial and Final C-141
- Appendix IV Photo Documentation
- Appendix V Laboratory Data

# **APPENDIX I**

**SITE MAP**

**KARST MAP**

**TOPOGRAPHIC MAP**



**LOCATOR MAP**



# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Initial Sample Map

## Legend

-  Impact Area
-  Initial Sample Point



70 ft



# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Confirmation Sample Map

## Legend

- Confirmation Composite Sample
- Excavation Area





70 ft



# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Final Confirmation Map

## Legend

-  Excavation Area
-  Final Confirmation Composite Sample







80 ft




# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Karst Map

## Legend

-  High
-  Low
-  Medium
-  Triste Draw 25 CTB

 Triste Draw 25 CTB




2000 ft

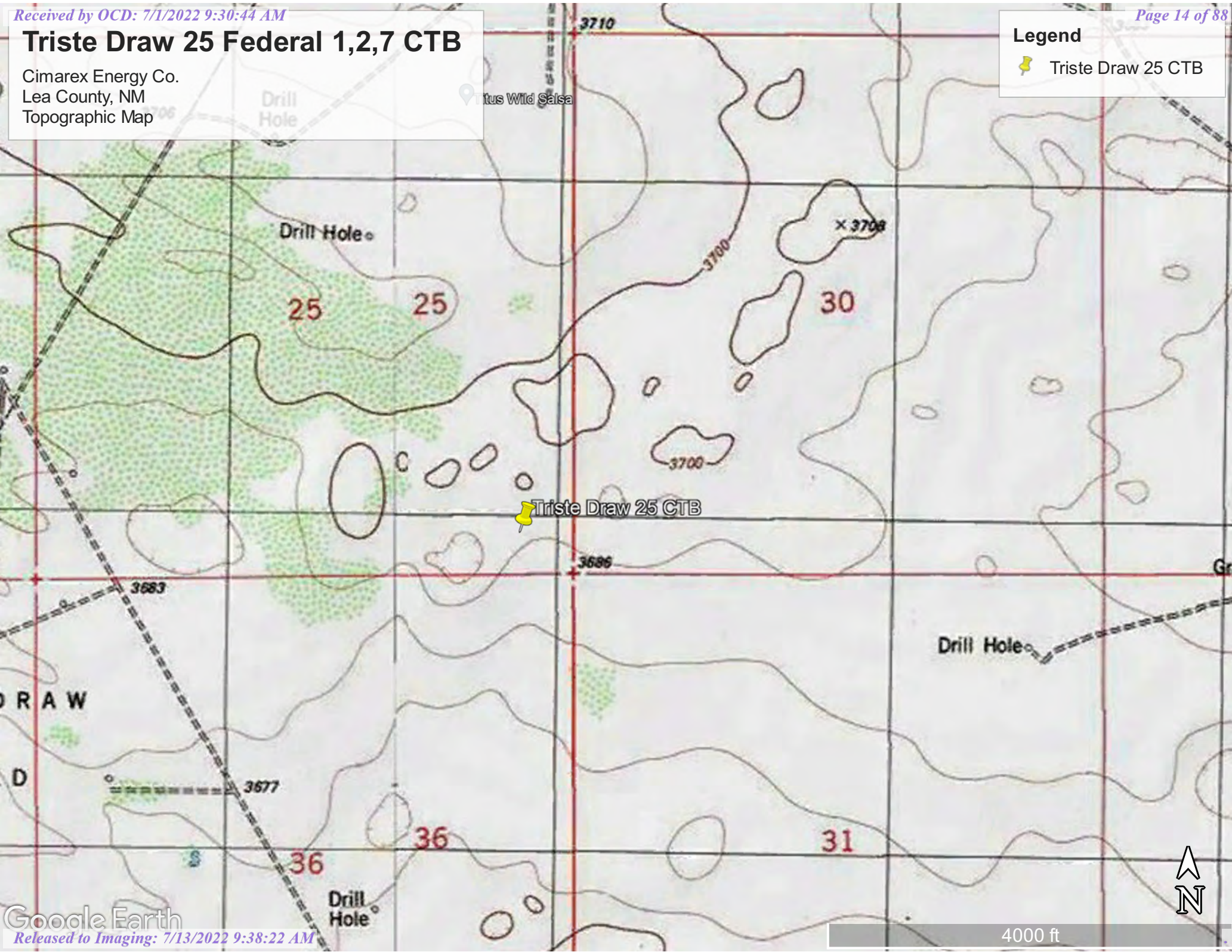


# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Topographic Map

## Legend

 Triste Draw 25 CTB







# Triste Draw 25 Federal 1,2,7 CTB

Cimarex Energy Co.  
Lea County, NM  
Topographic Map

## Legend

 Triste Draw 25 CTB

 Triste Draw 25 CTB

128

128

128

128

2



4 mi

Google Earth



## **APPENDIX II**

### **GROUNDWATER DATA**

### **SOIL SURVEY**

### **FEMA FLOOD MAP**



# 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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C_04551</a> <a href="#">POD1</a>		CUB	LE	4	4	3	31	23S	33E	630671	3569556	1796			
<a href="#">C_02276</a>		CUB	LE	3	1	4	19	23S	33E	630848	3573154*	2250	650	400	250
<a href="#">C_02275</a>		CUB	LE	3	3	2	19	23S	33E	630843	3573557*	2614	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):** 629832.86

**Northing (Y):** 3571145.49

**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.


3/1/22 9:16 AM


WATER COLUMN/ AVERAGE DEPTH TO  
WATER





# Nearest Water Well

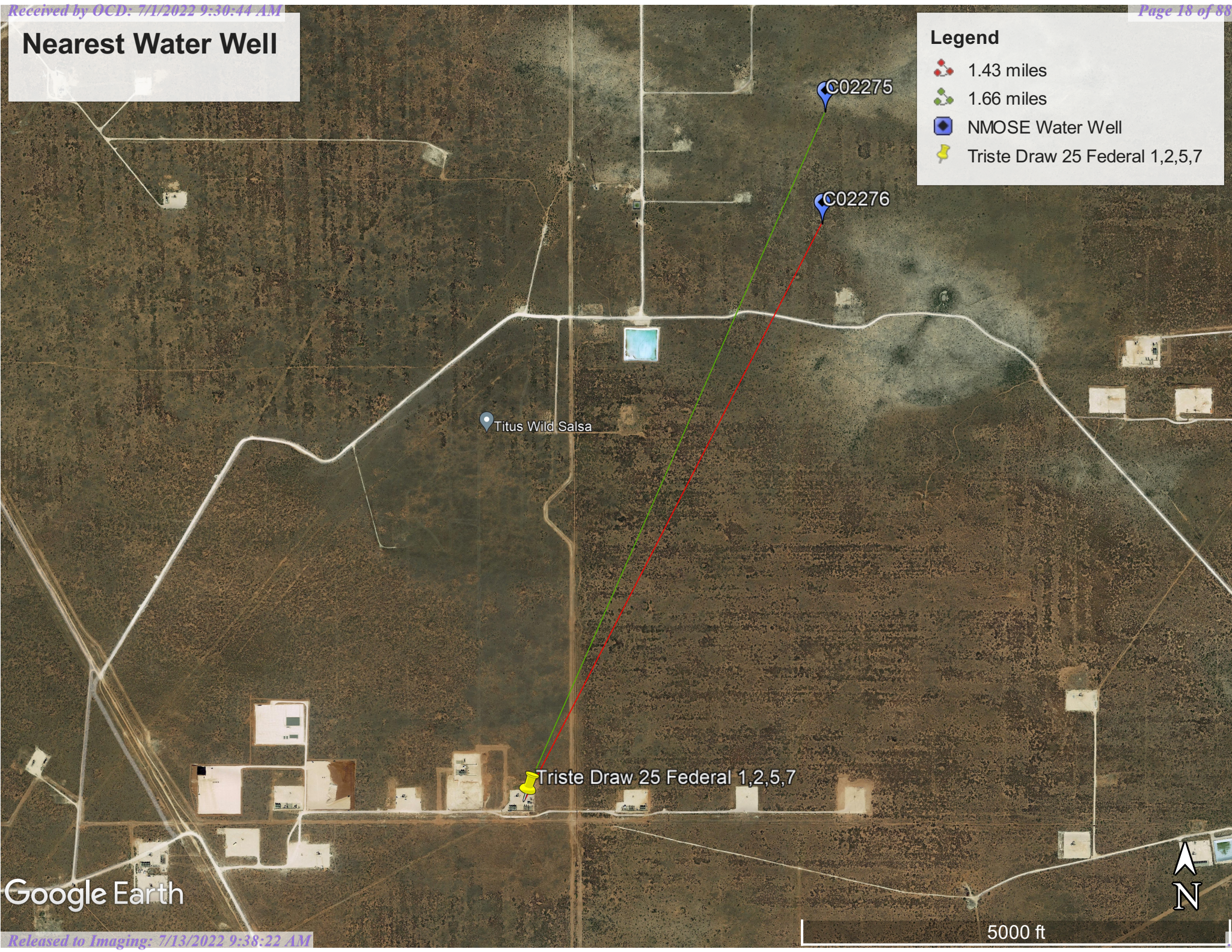
Legend

 1.43 miles

 1.66 miles

 NMOSE Water Well

 Triste Draw 25 Federal 1,2,5,7



Google Earth



5000 ft






# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02275	3 3 2	19	23S	33E	630843	3573557* 

**Driller License:****Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1980

**Plug Date:****Log File Date:****PCW Rev Date:****Source:**

Shallow

**Pump Type:****Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:** 8.63**Depth Well:**

650 feet

**Depth Water:** 400 feet**Meter Number:**

514

**Meter Make:**

MASTER METER

**Meter Serial Number:** 1527874**Meter Multiplier:**

10.0000

**Number of Dials:**

6

**Meter Type:**

Diversion

**Unit of Measure:**

Gallons

**Return Flow Percent:****Usage Multiplier:****Reading Frequency:**

Quarterly

### Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/28/1999	1999	260142	A	ms		0
04/15/1999	1999	294352	A	ms		1.050
07/18/1999	1999	320962	A	ms		0.817
11/28/1999	1999	367317	A	ms		1.423
04/06/2000	2000	413837	A	mb		1.428
08/16/2000	2000	474649	A	mb		1.866
09/15/2000	2000	485983	A	RPT		0.348
01/19/2001	2000	530107	A	RPT		1.354
04/27/2001	2001	569967	A	RPT		1.223
07/16/2001	2001	620178	A	ms		1.541
01/12/2002	2002	652573	A	tg		0.994
04/13/2002	2002	662745	A	RPT		0.312
07/12/2002	2002	674878	A	rm		0.372
01/01/2003	2002	714899	A	ms		1.228
07/11/2003	2003	751760	A	ms		1.131
10/01/2003	2003	778772	A	ab		0.829
01/08/2004	2003	802123	A	ab		0.717
04/07/2004	2004	821801	A	RPT		0.604
07/15/2004	2004	836507	A	RPT		0.451
10/12/2004	2004	844068	A	RPT		0.232
01/26/2005	2004	877058	A	RPT		1.012
04/15/2005	2005	889933	A	RPT		0.395
08/03/2005	2005	891339	A	RPT		0.043
10/31/2005	2005	927761	A	RPT		1.118
01/31/2006	2005	941723	A	RPT		0.428

04/20/2006	2006	966263	A	RPT	0.753
07/19/2006	2006	9421	R	tw Meter Rollover	1.324
11/27/2006	2006	90114	A	RPT	2.476
04/16/2007	2007	124935	A	tw	1.069
07/13/2007	2007	148838	A	tw	0.734
11/03/2007	2007	189325	A	RPT	1.243
04/15/2008	2008	230341	A	RPT	1.259
07/11/2008	2008	273176	A	RPT	1.315
01/08/2009	2008	375616	A	RPT	3.144
05/07/2009	2009	432782	A	RPT	1.754
07/06/2009	2009	465558	A	RPT	1.006
11/02/2009	2009	537994	A	tw	2.223
05/13/2010	2010	592265	A	RPT	1.666
08/23/2010	2010	598613	A	RPT	0.195
11/09/2010	2010	598791	A	RPT	0.005
02/13/2011	2011	599215	A	RPT	0.013
07/12/2011	2011	607344	A	RPT	0.249
01/10/2012	2012	608458	A	RPT	0.034
04/15/2012	2012	608566	A	RPT	0.003
03/20/2013	2012	608566	A	RPT	0
07/18/2013	2013	608566	A	RPT	0
07/22/2019	2019	896990	A	RPT	8.851
04/01/2020	2020	120850	R	RPT Meter Rollover	6.870

---

x

**YTD Meter Amounts:	Year	Amount
	1999	3.290
	2000	4.996
	2001	2.764
	2002	2.906
	2003	2.677
	2004	2.299
	2005	1.984
	2006	4.553
	2007	3.046
	2008	5.718
	2009	4.983
	2010	1.866
	2011	0.262
	2012	0.037
	2013	0
	2019	8.851
	2020	6.870

---

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.

3/23/22 1:05 PM

POINT OF DIVERSION SUMMARY





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	02276	3	1	4	19	23S	33E
						630848	3573154*

**Driller License:****Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1957

**Plug Date:****Log File Date:****PCW Rev Date:****Source:**

Shallow

**Pump Type:****Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:**

8.63

**Depth Well:**

650 feet

**Depth Water:**

400 feet

**Meter Number:**

515

**Meter Make:**

MASTER METER

**Meter Serial Number:**

152782

**Meter Multiplier:**

10.0000

**Number of Dials:**

6

**Meter Type:**

Diversion

**Unit of Measure:**

Gallons

**Return Flow Percent:****Usage Multiplier:****Reading Frequency:**

Quarterly

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/27/1999	1999	838142	A	ms		0
04/15/1999	1999	849194	A	ms		0.339
07/18/1999	1999	852511	A	ms		0.102
11/28/1999	1999	880506	A	ms		0.859
04/06/2000	2000	880525	A	mb		0.001
08/16/2000	2000	0	A	mb		0
08/16/2000	2000	3713	A	mb		0.114
09/15/2000	2000	34387	A	RPT		0.941
01/19/2001	2000	147434	A	RPT		3.469
04/27/2001	2001	250085	A	RPT		3.150
07/16/2001	2001	328518	A	ms		2.407
01/12/2002	2002	389056	A	tg		1.858
04/13/2002	2002	408878	A	RPT		0.608
07/12/2002	2002	440120	A	rm		0.959
01/01/2003	2002	505416	A	ms		2.004
04/28/2003	2003	536552	A	ms		0.956
07/11/2003	2003	693927	A	RPT		4.830
10/16/2003	2003	693927	A	ab		0
01/08/2004	2003	693927	A	ab		0
04/07/2004	2004	695806	A	RPT		0.058
07/15/2004	2004	723969	A	RPT		0.864
10/12/2004	2004	739108	A	RPT		0.465
01/26/2005	2004	788665	A	RPT		1.521
04/15/2005	2005	814297	A	RPT		0.787
08/03/2005	2005	846601	A	RPT		0.991

10/31/2005	2005	856320	A	RPT	0.298
01/31/2006	2005	866374	A	RPT	0.309
04/20/2006	2006	874208	A	RPT	0.240
07/19/2006	2006	889314	A	tw	0.464
11/27/2006	2006	917719	A	RPT	0.872
04/16/2007	2007	929550	A	RPT	0.363
07/13/2007	2007	936082	A	RPT	0.200
11/03/2007	2007	942871	A	RPT	0.208
04/15/2008	2008	944140	A	RPT	0.039
07/11/2008	2008	944909	A	RPT	0.024
01/08/2009	2008	964144	A	RPT	0.590
05/07/2009	2009	976275	A	RPT	0.372
07/06/2009	2009	984911	A	RPT	0.265
11/12/2009	2009	106368	R	tw Meter Rollover	3.727
05/13/2010	2010	257600	A	RPT	4.641
08/23/2010	2010	315189	A	RPT	1.767
11/09/2010	2010	317933	A	RPT	0.084
02/13/2011	2011	373250	A	RPT	1.698
07/12/2011	2011	468021	A	RPT	2.908
01/10/2012	2012	570894	A	RPT	3.157
04/15/2012	2012	671162	A	RPT	3.077
03/20/2013	2012	783611	A	RPT	3.451
07/18/2013	2013	842234	A	RPT	1.799
07/22/2019	2019	977178	A	RPT	4.141
04/01/2020	2020	977178	A	RPT	0

x

**YTD Meter Amounts:	Year	Amount
	1999	1.300
	2000	4.525
	2001	5.557
	2002	5.429
	2003	5.786
	2004	2.908
	2005	2.385
	2006	1.576
	2007	0.771
	2008	0.653
	2009	4.364
	2010	6.492
	2011	4.606
	2012	9.685
	2013	1.799
	2019	4.141
	2020	0

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.

3/23/22 1:06 PM

POINT OF DIVERSION SUMMARY

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: R042XC003NM - 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: R042XC003NM - Loamy Sand*  
*Hydric soil rating: No*

### **Minor Components**

#### **Kermit**

*Percent of map unit: 10 percent*  
*Ecological site: R042XC022NM - Sandhills*

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

---

*Hydric soil rating:* No

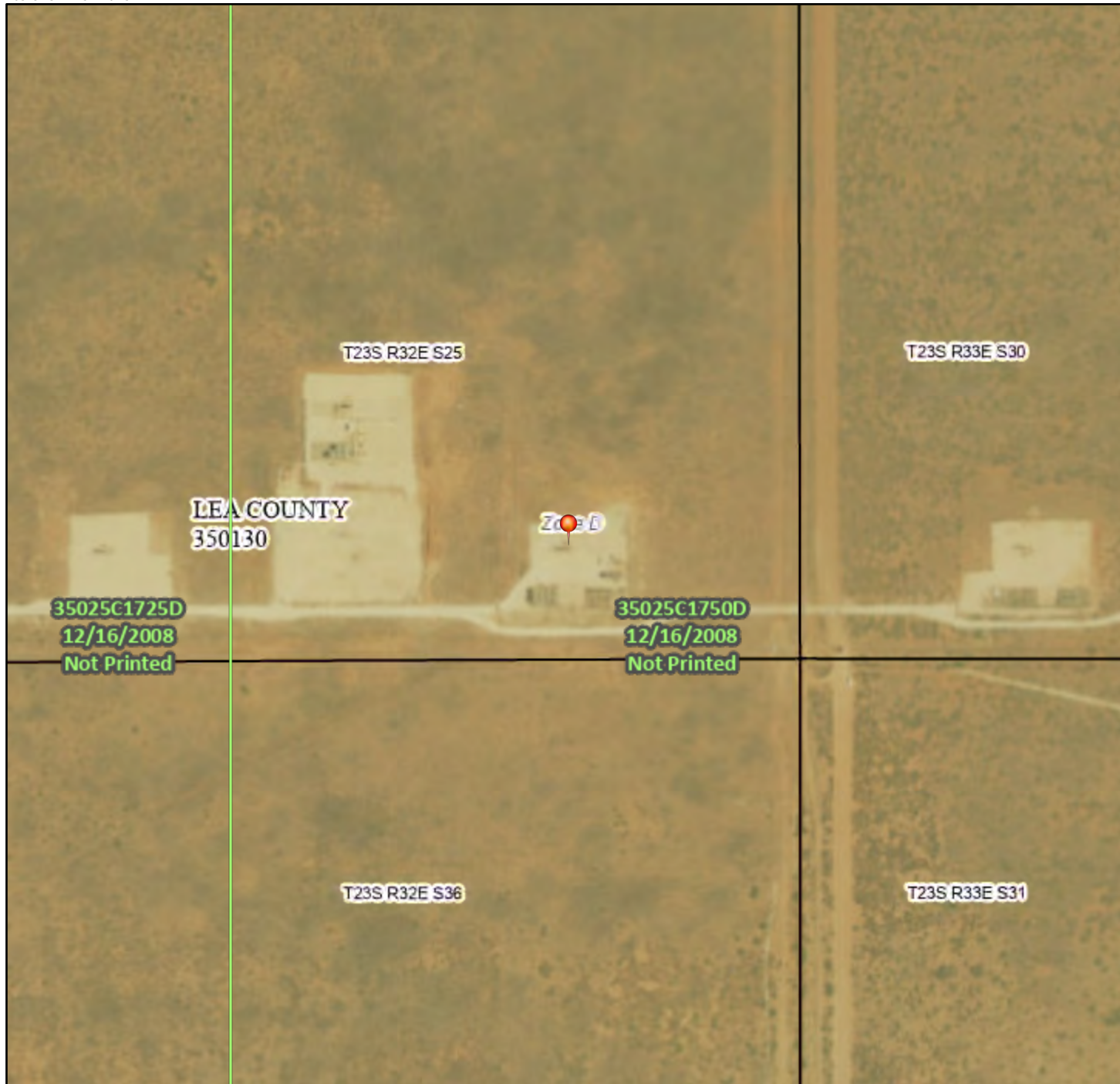
## Data Source Information

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 18, Sep 10, 2021

## 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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **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.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

103°37'W 32°15'55"N

## **APPENDIX III**

# **INITIAL C-141, FINAL C-141, NMOCD CORRESPONDENCE**



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	nAPP2203769738
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) nAPP2203769738
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

### 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 1,2,7	Site Type: Battery
Date Release Discovered: 2/4/2022	API# (if applicable)

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	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 checked="" type="checkbox"/> Other (describe) FIRE	Volume/Weight Released (provide units) 0 bbls	Volume/Weight Recovered (provide units) 0 bbls

Cause of Release: Equipment Failure

We had a flare fire at the Triste Draw 25 Fed 1, 2, 7 facility. There were no injuries associated with this incident, and the damage to the facility was to the flare only. No product was lost. Once the wells were shut-in, the flare fire self-extinguished. We found a 2" back pressure Kimray valve that did not have air supply and failed to open the vessel to equalized pressure with the heater, and fluid went out to the top of the vessel to the pre-flare scrubber burning before hitting the ground. The pump failed to operate due to a failed transformer in the electric panel. The transformer has been replaced, removed BP valves, replaced wiring on evacuation pump of flare scrubber.

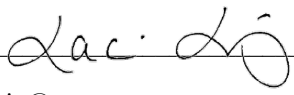


Incident ID	nAPP2203769738
District RP	
Facility ID	
Application ID	

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? Incident type is a fire.
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: 2/6/2022
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	nAPP2203769738
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>400'</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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2203769738
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: Laci Luig\_\_\_\_\_ Date: 3/23/2022\_\_\_\_\_

email: laci.luig@coterra.com\_\_\_\_\_ Telephone: (432) 208-3035\_\_\_\_\_

**OCD Only**

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

Incident ID	nAPP2203769738
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: Laci Luig \_\_\_\_\_ Date: 3/23/2022 \_\_\_\_\_  
email: laci.luig@coterra.com \_\_\_\_\_ Telephone: (432) 208-3035 \_\_\_\_\_

**OCD Only**

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

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

Closure Approved by: Bradford Billings \_\_\_\_\_ Date: 07/13/2022 \_\_\_\_\_  
Printed Name: Bradford Billings \_\_\_\_\_ Title: Enviro.Spec.A \_\_\_\_\_

**From:** [Laci Luig](#)  
**To:** [Michael Collier](#)  
**Subject:** FW: [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling  
**Date:** Friday, May 13, 2022 9:32:43 AM

---

[Laci Luig](#)  
(432) 208-3035

---

**From:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>  
**Sent:** Friday, May 13, 2022 10:31 AM  
**To:** Laci Luig <[Laci.Luig@coterra.com](mailto:Laci.Luig@coterra.com)>  
**Cc:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>  
**Subject:** FW: [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling

Laci,

Thank you for the notification. Please 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.

Thanks  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)>  
**Sent:** Friday, May 13, 2022 9:25 AM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>  
**Subject:** Fw: [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling

---

**From:** Laci Luig <[Laci.Luig@coterra.com](mailto:Laci.Luig@coterra.com)>  
**Sent:** Friday, May 13, 2022 9:24 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)>; BLM NM CFO Spill <[BLM\\_NM\\_CFO\\_Spill@blm.gov](mailto:BLM_NM_CFO_Spill@blm.gov)>  
**Cc:** Michael Collier <[mcollier@H-R-Enterprises.com](mailto:mcollier@H-R-Enterprises.com)>  
**Subject:** [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling

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

Additional sampling is required per NMOCD. Sampling is scheduled for Wednesday, May 18<sup>th</sup>.

- **Closure Report Denied. Composite confirmation samples need to be collected from the bottom of the excavation from areas representing no more than two hundred (200) square feet. Three (3) confirmation soil samples is insufficient. Please resubmit a revised Closure Report by May 27, 2022.**

Laci Luig  
(432) 208-3035

---

**From:** Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>  
**Sent:** Thursday, February 24, 2022 11:55 AM  
**To:** Laci Luig <[Laci.Luig@coterra.com](mailto:Laci.Luig@coterra.com)>; Crisha Morgan - BLM <[camorgan@blm.gov](mailto:camorgan@blm.gov)>  
**Cc:** Michael Collier <[mcollier@H-R-Enterprises.com](mailto:mcollier@H-R-Enterprises.com)>  
**Subject:** RE: [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Luci,

Notification received.

NOTE: The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.

Cheers,

**Chad Hensley** • Environmental Science & Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
811 First St. | Artesia, NM 88210  
Office: 575.748.1283 | Cell: 575-703-1723  
[chad.hensley@state.nm.us](mailto:chad.hensley@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



**From:** Laci Luig <[Laci.Luig@coterra.com](mailto:Laci.Luig@coterra.com)>  
**Sent:** Thursday, February 24, 2022 10:53 AM  
**To:** Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>; Crisha Morgan - BLM <[camorgan@blm.gov](mailto:camorgan@blm.gov)>  
**Cc:** Michael Collier <[mcollier@H-R-Enterprises.com](mailto:mcollier@H-R-Enterprises.com)>  
**Subject:** [EXTERNAL] nAPP2203769738 - Triste Draw 25 Battery confirmation sampling

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

Good afternoon,

This email serves as notification for excavation and confirmation sampling on the Triste Draw 25 Battery. Excavation and sampling is scheduled to begin February 24th. H&R will be onsite for field and confirmation sampling.

Thank you,



**Laci Luig** | Environmental Safety & Health Specialist  
T: 432.571.7810 | M: 432.208.3035 | [laci.luig@coterra.com](mailto:laci.luig@coterra.com) | [www.coterra.com](http://www.coterra.com)  
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

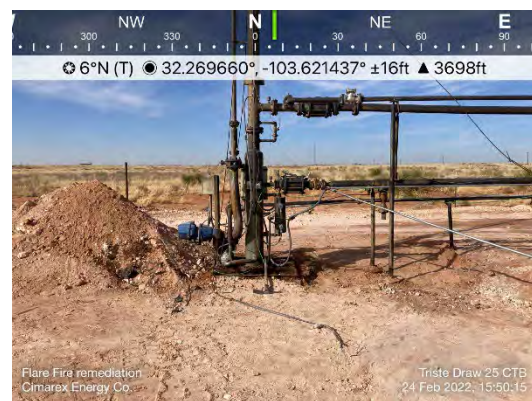
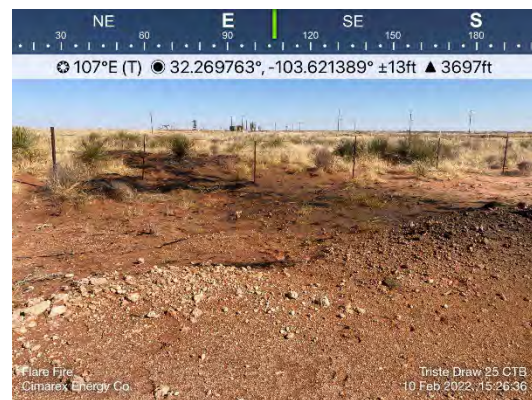
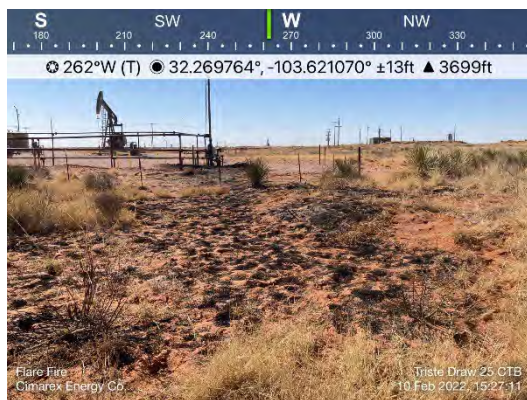
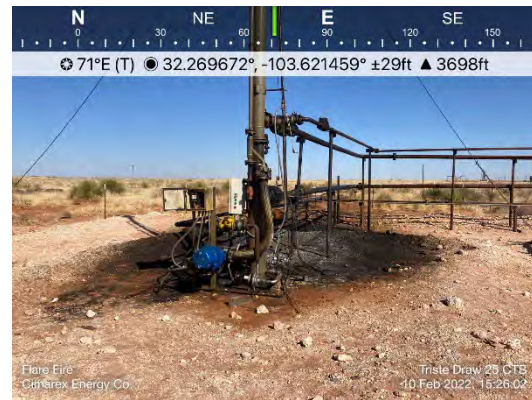
This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

# **APPENDIX IV**

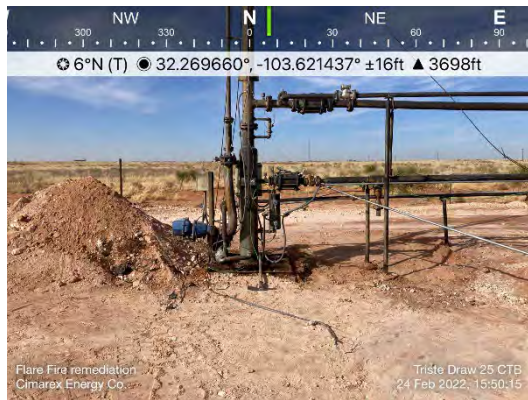
## **PHOTOGRAPHIC DOCUMENTATION**



## PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPHIC DOCUMENTATION



# **APPENDIX V**

## **LABORATORY DATA**



**PERMIAN BASIN  
ENVIRONMENTAL LAB, LP  
1400 Rankin Hwy  
Midland, TX 79701**



# Analytical Report

**Prepared for:**

Laci Luig  
Cimarex  
600 N. Marinfeld, Ste. 600  
Midland, TX 79701

Project: Triste Draw 25 CTB

Project Number: [none]

Location: Hobbs, NM

Lab Order Number: 2B11001



**Current Certification**

Report Date: 02/14/22

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1	2B11001-01	Soil	02/10/22 14:52	02-11-2022 07:36
S2	2B11001-02	Soil	02/10/22 15:00	02-11-2022 07:36
BG	2B11001-03	Soil	02/10/22 15:03	02-11-2022 07:36

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**S1**  
**2B11001-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

<b>Benzene</b>	<b>0.00292</b>	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	
<b>Toluene</b>	<b>0.0204</b>	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0374</b>	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.204</b>	0.00202	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0670</b>	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	53.1 %		80-120		P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	93.9 %		80-120		P2B1106	02/11/22 15:19	02/11/22 18:26	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>559</b>	1.01	mg/kg dry	1	P2B1102	02/11/22 13:08	02/11/22 14:33	EPA 300.0	
<b>% Moisture</b>	<b>1.0</b>	0.1	%	1	P2B1107	02/11/22 16:31	02/11/22 16:32	ASTM D2216	

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>ND</b>	253	mg/kg dry	10	P2B1104	02/11/22 13:30	02/11/22 19:56	TPH 8015M	
<b>&gt;C12-C28</b>	<b>8540</b>	253	mg/kg dry	10	P2B1104	02/11/22 13:30	02/11/22 19:56	TPH 8015M	
<b>&gt;C28-C35</b>	<b>2950</b>	253	mg/kg dry	10	P2B1104	02/11/22 13:30	02/11/22 19:56	TPH 8015M	
Surrogate: 1-Chlorooctane	81.0 %		70-130		P2B1104	02/11/22 13:30	02/11/22 19:56	TPH 8015M	
Surrogate: o-Terphenyl	76.4 %		70-130		P2B1104	02/11/22 13:30	02/11/22 19:56	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>11500</b>	253	mg/kg dry	10	[CALC]	02/11/22 13:30	02/11/22 19:56	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**S2**  
**2B11001-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	78.7 %		80-120		P2B1106	02/11/22 15:19	02/11/22 18:47	EPA 8021B	S-GC

**General Chemistry Parameters by EPA / Standard Methods**

Chloride	91.3	1.01	mg/kg dry	1	P2B1102	02/11/22 13:08	02/11/22 15:18	EPA 300.0	
% Moisture	1.0	0.1	%	1	P2B1107	02/11/22 16:31	02/11/22 16:32	ASTM D2216	

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	126	mg/kg dry	5	P2B1104	02/11/22 13:30	02/11/22 20:17	TPH 8015M	
>C12-C28	5050	126	mg/kg dry	5	P2B1104	02/11/22 13:30	02/11/22 20:17	TPH 8015M	
>C28-C35	1150	126	mg/kg dry	5	P2B1104	02/11/22 13:30	02/11/22 20:17	TPH 8015M	
Surrogate: 1-Chlorooctane	78.6 %		70-130		P2B1104	02/11/22 13:30	02/11/22 20:17	TPH 8015M	
Surrogate: o-Terphenyl	85.1 %		70-130		P2B1104	02/11/22 13:30	02/11/22 20:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	6200	126	mg/kg dry	5	[CALC]	02/11/22 13:30	02/11/22 20:17	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**BG**  
**2B11001-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.3 %		80-120		P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.4 %		80-120		P2B1106	02/11/22 15:19	02/11/22 19:08	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

Chloride	3.06	1.01	mg/kg dry	1	P2B1102	02/11/22 13:08	02/11/22 15:34	EPA 300.0	
% Moisture	1.0	0.1	%	1	P2B1107	02/11/22 16:31	02/11/22 16:32	ASTM D2216	

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	25.3	mg/kg dry	1	P2B1104	02/11/22 13:30	02/11/22 20:39	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2B1104	02/11/22 13:30	02/11/22 20:39	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2B1104	02/11/22 13:30	02/11/22 20:39	TPH 8015M	
Surrogate: 1-Chlorooctane	78.4 %		70-130		P2B1104	02/11/22 13:30	02/11/22 20:39	TPH 8015M	
Surrogate: o-Terphenyl	87.5 %		70-130		P2B1104	02/11/22 13:30	02/11/22 20:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	02/11/22 13:30	02/11/22 20:39	calc	

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

1400 Rankin HWY Midland, TX 79701 432-686-7235



Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch P2B1106 - General Preparation (GC)**

**Blank (P2B1106-BLK1)**

Prepared & Analyzed: 02/11/22

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			

**LCS (P2B1106-BS1)**

Prepared & Analyzed: 02/11/22

Benzene	0.0819	0.00100	mg/kg wet	0.100		81.9	80-120			
Toluene	0.0809	0.00100	"	0.100		80.9	80-120			
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200		86.6	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

**LCS Dup (P2B1106-BSD1)**

Prepared & Analyzed: 02/11/22

Benzene	0.0860	0.00100	mg/kg wet	0.100		86.0	80-120	4.99	20	
Toluene	0.0862	0.00100	"	0.100		86.2	80-120	6.35	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	5.57	20	
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	80-120	6.09	20	
Xylene (o)	0.0830	0.00100	"	0.100		83.0	80-120	3.26	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.5	80-120			

**Calibration Blank (P2B1106-CCB1)**

Prepared & Analyzed: 02/11/22

Benzene	0.140		mg/kg wet							
Toluene	0.250		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.470		"							
Xylene (o)	0.190		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch P2B1106 - General Preparation (GC)**

**Calibration Blank (P2B1106-CCB2)**

Prepared & Analyzed: 02/11/22

Benzene	0.00		mg/kg wet							
Toluene	0.210		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.320		"							
Xylene (o)	0.130		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	80-120			

**Calibration Blank (P2B1106-CCB3)**

Prepared: 02/11/22 Analyzed: 02/12/22

Benzene	0.00		mg/kg wet							
Toluene	0.280		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.170		"							
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.9	80-120			

**Calibration Check (P2B1106-CCV1)**

Prepared & Analyzed: 02/11/22

Benzene	0.0990	0.00100	mg/kg wet	0.100		99.0	80-120			
Toluene	0.0985	0.00100	"	0.100		98.5	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0940	0.00100	"	0.100		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	75-125			

**Calibration Check (P2B1106-CCV2)**

Prepared & Analyzed: 02/11/22

Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0983	0.00100	"	0.100		98.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.8	75-125			

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**BTEX by 8021B - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch P2B1106 - General Preparation (GC)**

**Calibration Check (P2B1106-CCV3)**

Prepared: 02/11/22 Analyzed: 02/12/22

Benzene	0.0916	0.00100	mg/kg wet	0.100		91.6	80-120			
Toluene	0.0890	0.00100	"	0.100		89.0	80-120			
Ethylbenzene	0.0867	0.00100	"	0.100		86.7	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.9	80-120			
Xylene (o)	0.0857	0.00100	"	0.100		85.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	75-125			

**Matrix Spike (P2B1106-MS1)**

Source: 2B11001-01

Prepared: 02/11/22 Analyzed: 02/12/22

Benzene	0.0441	0.00101	mg/kg dry	0.101	0.00292	40.8	80-120			QM-05
Toluene	0.0420	0.00101	"	0.101	0.0204	21.4	80-120			QM-05
Ethylbenzene	0.0456	0.00101	"	0.101	0.0374	8.12	80-120			QM-05
Xylene (p/m)	0.122	0.00202	"	0.202	0.204	NR	80-120			QM-05
Xylene (o)	0.0477	0.00101	"	0.101	0.0670	NR	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.111		"	0.121		91.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.121		95.1	80-120			

**Matrix Spike Dup (P2B1106-MSD1)**

Source: 2B11001-01

Prepared: 02/11/22 Analyzed: 02/12/22

Benzene	0.0517	0.00101	mg/kg dry	0.101	0.00292	48.2	80-120	16.8	20	QM-05
Toluene	0.0526	0.00101	"	0.101	0.0204	31.9	80-120	39.6	20	QM-05, R3
Ethylbenzene	0.0550	0.00101	"	0.101	0.0374	17.3	80-120	72.4	20	QM-05, R3
Xylene (p/m)	0.145	0.00202	"	0.202	0.204	NR	80-120	NR	20	QM-05
Xylene (o)	0.0552	0.00101	"	0.101	0.0670	NR	80-120	NR	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.106		"	0.121		87.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.121		92.2	80-120			

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch P2B1102 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P2B1102-BLK1)</b>				Prepared & Analyzed: 02/11/22						
Chloride	ND	1.00	mg/kg wet							
<b>LCS (P2B1102-BS1)</b>				Prepared & Analyzed: 02/11/22						
Chloride	40.5		mg/kg	40.0		101	90-110			
<b>LCS Dup (P2B1102-BSD1)</b>				Prepared & Analyzed: 02/11/22						
Chloride	43.9		mg/kg	40.0		110	90-110	8.19	10	
<b>Calibration Blank (P2B1102-CCB1)</b>				Prepared & Analyzed: 02/11/22						
Chloride	0.223		mg/kg wet							
<b>Calibration Check (P2B1102-CCV1)</b>				Prepared & Analyzed: 02/11/22						
Chloride	21.5		mg/kg	20.0		108	90-110			
<b>Calibration Check (P2B1102-CCV2)</b>				Prepared & Analyzed: 02/11/22						
Chloride	21.0		mg/kg	20.0		105	90-110			
<b>Matrix Spike (P2B1102-MS1)</b>		<b>Source: 2B11001-01</b>		Prepared & Analyzed: 02/11/22						
Chloride	658	1.01	mg/kg dry	253	559	39.1	80-120			QM-05
<b>Matrix Spike Dup (P2B1102-MSD1)</b>		<b>Source: 2B11001-01</b>		Prepared & Analyzed: 02/11/22						
Chloride	668	1.01	mg/kg dry	253	559	42.9	80-120	1.46	20	

**Batch P2B1107 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P2B1107-BLK1)</b>				Prepared & Analyzed: 02/11/22						
% Moisture	ND	0.1	%							

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex	Project: Triste Draw 25 CTB
600 N. Marinfeld, Ste. 600	Project Number: [none]
Midland TX, 79701	Project Manager: Laci Luig

General Chemistry Parameters by EPA / Standard Methods - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P2B1107 - \*\*\* DEFAULT PREP \*\*\*

Duplicate (P2B1107-DUP1)	Source: 2B10008-03			Prepared & Analyzed: 02/11/22						
% Moisture	7.0	0.1	%		7.0			0.00	20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch P2B1104 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2B1104-BLK1)**

Prepared & Analyzed: 02/11/22

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.4		"	100		81.4	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		95.0	70-130			

**LCS (P2B1104-BS1)**

Prepared & Analyzed: 02/11/22

C6-C12	775	25.0	mg/kg wet	1000		77.5	75-125			
>C12-C28	773	25.0	"	1000		77.3	75-125			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			

**LCS Dup (P2B1104-BSD1)**

Prepared & Analyzed: 02/11/22

C6-C12	788	25.0	mg/kg wet	1000		78.8	75-125	1.66	20	
>C12-C28	766	25.0	"	1000		76.6	75-125	0.911	20	
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.8	70-130			

**Calibration Check (P2B1104-CCV1)**

Prepared: 02/11/22 Analyzed: 02/14/22

C6-C12	558	25.0	mg/kg wet	500		112	85-115			
>C12-C28	551	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	92.2		"	100		92.2	70-130			
Surrogate: o-Terphenyl	46.1		"	50.0		92.2	70-130			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

### Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

2/14/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.*

1400 Rankin HWY Midland, TX 79701 432-686-7235

Cimarex  
600 N. Marinfeld, Ste. 600  
Midland TX, 79701

Project: Triste Draw 25 CTB  
Project Number: [none]  
Project Manager: Laci Luig

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



## 001382

Page 14 of 15

Facility Name <b>Inst Draw 25C15</b>		Analytical Laboratory Name <b>PBE</b>		Today's Date <b>2/10/22</b>																
Address		City <b>Midland</b>		Zip <b>79701</b>																
City <b>Hobbs</b>		State <b>NM</b>		Zip <b>79701</b>																
Sample Group Identifier		Contact Name and Report to: <b>Vala Cui</b>		Email <b>vala.cui@coterra.com</b>																
Site/Project Name or Identifier		Phone <b>208-3035</b>		Fax																
Special Instructions <b>Rush 24 hr</b>		Carrier Waybill Number		Analysis/Analytes <b>BTEX, TPH, Chlorides</b>																
Station Name or Sample ID	Sample Date	Time 24 hrs	Matrix	Sample Top Btm	Size	Containers Type No.	Y	Filtered N	Preservative	Comments										
<b>S1</b>	<b>2/10/22</b>	<b>1452</b>	<b>Soil</b>	<b>0</b>	<b>40z</b>	<b>1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Ice</b>	<b>(amoxic)</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>S2</b>	<b>2/10/22</b>	<b>1500</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>↓</b>	<b>↓</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>B2</b>	<b>2/10/22</b>	<b>1503</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>↓</b>	<b>↓</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>									



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	Chain of custody initiated?
	Chain of custody signed/dated/time when relinquished and received?
	Samples not signed/initials present on each of an samples?
	Samplers name present on COC?
	Custodial custody preserved with separate labels
<input checked="" type="checkbox"/>	Sample containers intact?
<input checked="" type="checkbox"/>	Was only 1 each taken for sample bottles?
<input checked="" type="checkbox"/>	Samples in proper container/bottle?
	Surface of sample containers for refrigerated tests?
<input checked="" type="checkbox"/>	All samples received within holding time?
	Samples received within appropriate time?
<input checked="" type="checkbox"/>	Analysis requested for all samples submitted?
	Shipping container cooler intact/condition?
	Custody seals intact on shipping container/cooler?

Log in Notes	
402 Jar	28/1/01

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 1 of 2



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

**Resolution:**

Client Contacted  
Name: \_\_\_\_\_  
Date/Time: \_\_\_\_\_  
  
NC Initiated by: \_\_\_\_\_  
  
Approved by: \_\_\_\_\_

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 2 of 2



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

---

February 28, 2022

MICHAEL COLLIER  
H & R ENTERPRISES  
1010 GAMBLIN ROAD  
HOBBS, NM 88240

RE: TRISTE DRAW 25 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 02/25/22 13:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 6" BGS (H220743-01)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2022	ND	2.11	106	2.00	1.71		
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34		
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04		
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56		
Total BTX	<0.300	0.300	02/25/2022	ND						

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

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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	26.9	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.5 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 6" BGS (H220743-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.11	106	2.00	1.71	
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56	
Total BTEx	<0.300	0.300	02/25/2022	ND					

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

Chloride, SM4500Cl-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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	72.5	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.4 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 6" BGS (H220743-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.11	106	2.00	1.71	
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56	
Total BTX	<0.300	0.300	02/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 (H220743-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.11	106	2.00	1.71	
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56	
Total BTX	<0.300	0.300	02/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 (H220743-05)**

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	02/25/2022	ND	2.11	106	2.00	1.71	
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56	
Total BTEx	<0.300	0.300	02/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 02/25/2022  
 Reported: 02/28/2022  
 Project Name: TRISTE DRAW 25 FED #1  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX

Sampling Date: 02/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 3 (H220743-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.11	106	2.00	1.71	
Toluene*	<0.050	0.050	02/25/2022	ND	2.09	105	2.00	2.34	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.01	101	2.00	2.04	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.21	103	6.00	2.56	
Total BTEx	<0.300	0.300	02/25/2022	ND					

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

Chloride, SM4500Cl-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	02/26/2022	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	02/25/2022	ND	177	88.5	200	0.407	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	193	96.7	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Celey D. Keene, Lab Director/Quality Manager





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

---

May 23, 2022

MICHAEL COLLIER  
H & R ENTERPRISES  
1010 GAMBLIN ROAD  
HOBBS, NM 88240

RE: TRISTE DRAW 25 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/19/22 8:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 0.5' (H222126-01)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	05/20/2022	ND	2.05	102	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	1.95	97.7	2.00	1.66	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.05	101	6.00	1.42	
Total BTX	<0.300	0.300	05/20/2022	ND					

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

Chloride, SM4500Cl-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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 2 0.5' (H222126-02)**

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	05/20/2022	ND	2.06	103	2.00	1.94		
Toluene*	<0.050	0.050	05/20/2022	ND	2.05	102	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	1.95	97.7	2.00	1.66		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.05	101	6.00	1.42		
Total BTX	<0.300	0.300	05/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619		
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77		
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND						

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 3 0.5' (H222126-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	05/20/2022	ND	2.05	102	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	1.95	97.7	2.00	1.66	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.05	101	6.00	1.42	
Total BTEx	<0.300	0.300	05/20/2022	ND					

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

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 4 0.5' (H222126-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	05/20/2022	ND	2.05	102	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	1.95	97.7	2.00	1.66	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.05	101	6.00	1.42	
Total BTEx	<0.300	0.300	05/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 5 0.5' (H222126-05)**

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	05/20/2022	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	05/20/2022	ND	2.05	102	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	1.95	97.7	2.00	1.66	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.05	101	6.00	1.42	
Total BTEx	<0.300	0.300	05/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 0.5' (H222126-06)**

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	05/19/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345	
Total BTX	<0.300	0.300	05/19/2022	ND					

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

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 7 0.5' (H222126-07)**

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	05/19/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345		
Total BTX	<0.300	0.300	05/19/2022	ND						

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

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	05/19/2022	ND	416	104	400	3.77		

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	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 8 0.5' (H222126-08)**

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345	
Total BTX	<0.300	0.300	05/19/2022	ND					

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

Chloride, SM4500Cl-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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 9 0.5' (H222126-09)**

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	05/19/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345		
Total BTX	<0.300	0.300	05/19/2022	ND						

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 10 0.5' (H222126-10)**

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345	
Total BTEx	<0.300	0.300	05/19/2022	ND					

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

Chloride, SM4500Cl-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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 11 0.5' (H222126-11)**

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	05/19/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345	
Total BTEx	<0.300	0.300	05/19/2022	ND					

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 12 0.5' (H222126-12)**

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	05/19/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/19/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.45	107	6.00	0.345		
Total BTEx	<0.300	0.300	05/19/2022	ND						

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

Chloride, SM4500Cl-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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 13 0.5' (H222126-13)**

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	05/20/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345		
Total BTEx	<0.300	0.300	05/20/2022	ND						

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 14 0.5' (H222126-14)**

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	05/20/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345		
Total BTEx	<0.300	0.300	05/20/2022	ND						

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 15 0.5' (H222126-15)**

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	05/20/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345	
Total BTX	<0.300	0.300	05/20/2022	ND					

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

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	05/19/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 16 0.5' (H222126-16)**

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	05/20/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345	
Total BTEx	<0.300	0.300	05/20/2022	ND					

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

Chloride, SM4500Cl-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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 0.5' (H222126-17)**

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	05/20/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345		
Total BTEX	<0.300	0.300	05/20/2022	ND						

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 0.5' (H222126-18)**

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	05/20/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345		
Total BTEx	<0.300	0.300	05/20/2022	ND						

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

Chloride, SM4500Cl-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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 0.5' (H222126-19)**

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	05/20/2022	ND	2.12	106	2.00	1.78	
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33	
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04	
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345	
Total BTX	<0.300	0.300	05/20/2022	ND					

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

H & R ENTERPRISES  
 MICHAEL COLLIER  
 1010 GAMBLIN ROAD  
 HOBBS NM, 88240  
 Fax To: NONE

Received: 05/19/2022  
 Reported: 05/23/2022  
 Project Name: TRISTE DRAW 25 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: CIMAREX - LEA CO NM

Sampling Date: 05/18/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 0.5' (H222126-20)**

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	05/20/2022	ND	2.12	106	2.00	1.78		
Toluene*	<0.050	0.050	05/20/2022	ND	2.08	104	2.00	2.33		
Ethylbenzene*	<0.050	0.050	05/20/2022	ND	2.06	103	2.00	1.04		
Total Xylenes*	<0.150	0.150	05/20/2022	ND	6.45	107	6.00	0.345		
Total BTEx	<0.300	0.300	05/20/2022	ND						

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

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	05/19/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	188	94.2	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	191	95.5	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> H&R Enterprises <b>Project Manager:</b> Michael Collier <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> Cimarex Energy <b>Project Name:</b> Triste Draw 26 Battery <b>Project Location:</b> Lea County, NM <b>Sampler Name:</b> M. Collier										<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Cimarex Energy <b>Attn:</b> Laci Lutz <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>										<b>ANALYSIS REQUEST</b>									
<b>Lab I.D.</b> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>Sample I.D.</b> </div>										(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										MATRIX PRESERV. SAMPLING									
1 S-1 0.5' C 1 X										DATE 5-18-12 TIME										BTEX X X X									
2 S-2 0.5'																				TPH X									
3 S-3 0.5'																				Chlorides X									
4 S-4 0.5'																													
5 S-5 0.5'																													
6 S-6 0.5'																													
7 S-7 0.5'																													
8 S-8 0.5'																													
9 S-9 0.5'																													
10 S-10 0.5'																													

PLEASE NOTE: Liability and Damages: Customer's failure to properly maintain a sample for any cause, whether or not caused by the laboratory, shall constitute a breach of contract and the laboratory shall not be liable for any damages or consequential damages, including but not limited to, loss of data 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. Repetition of failures shall claim a basis upon any of the above stated reasons or otherwise.

<b>Relinquished By:</b> M. Collier		<b>Date:</b> 5-19-12 <b>Time:</b> 0847		<b>Received By:</b> S. Rodriguez		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b>	
<b>Relinquished By:</b>		<b>Date:</b>		<b>Received By:</b>		<b>All Results are emailed. Please provide Email address:</b>			
<b>Time:</b>						<b>REMARKS:</b>			

<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C:</b> 4.1°C <b>Corrected Temp. °C:</b> 4.1°C		<b>Sample Condition:</b> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) SC		<b>Thermometer ID #113</b> Correction Factor -0.5°C		<b>Standard:</b> <input checked="" type="checkbox"/> Barista (only) Sample Condition Observed Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
---	--	---	--	--	--	--	--	--	--	--	--	--	--

FORM-005 R 3.2 10/07/21





**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

[illegible]



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 122266

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 122266
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	7/13/2022