

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Tristie Draw 30 CTB
Lea County, New Mexico
Unit M Sec 30 T23S R33E
32.269515°, -103.617154°

Release: Grass Fire
Volume Released: Zero
Volume Recovered: Zero

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
600 N. Marienfeld Street
Suite 600
Midland, TX 79701

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

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May 24, 2022

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

**Re: Closure Report
Tristie Draw 30 CTB
Cimarex Energy Co.
Site Location: Unit M, S30, T23S, R33E
(Lat 32.269515°, Long -103.617154°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resource, LLC has prepared this correspondence to document site assessment activities for the Tristie Draw 30 CTB. The site is located at 32.269515°, -103.617154° within Unit M S30, T23S, R33E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 15, 2022. The release was a fire and is still under investigation. No fluids were lost during the event. The area of concern (Grass Fire) measured about 2,264' x 888', as shown in Figure 3.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.25 miles Southwest of the site in S35, T23S, R32E and was drilled in 1976. The well has a reported depth to groundwater of 487.39' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix C.

On October 27, 2021, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.269008°, -103.625727. See Appendix D for the log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

310 West Wall Street, Suite 415
Midland, Texas 79701
432.813.1992



- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On April 26, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of thirteen (13) sample points were advanced to depths ranging from surface – 3” bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Referring to Table 1, the areas of (S-1 through S-7) showed TPH, benzene, total BTEX, and chloride concentrations below the regulatory limits. Horizontal samples were taken (H-1 through H-6) and showed TPH, benzene, total BTEX, and chloride concentrations below the regulatory limits.

The sampling results are summarized in Table 1 and see Figure 3 for the sample locations.

5.0 Conclusions

Based on the final lab results, no further actions are required at the site. Cimarex Energy Co. requests closure for this matter. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

A handwritten signature in black ink, appearing to read "Mike Carmona".

Mike Carmona
Environmental Manager

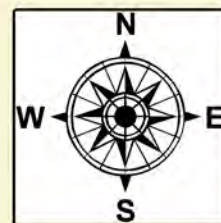
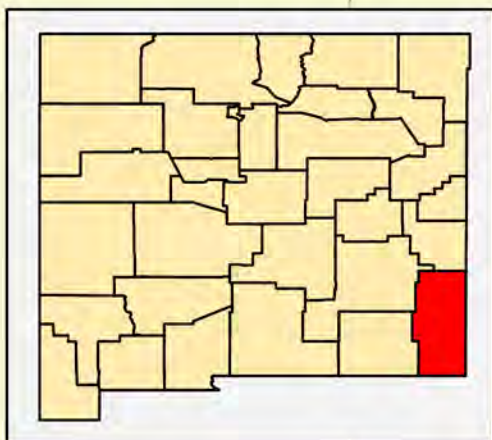
A handwritten signature in black ink, appearing to read "Conner Moeching".

Conner Moeching
Sr. Project Manager

FIGURES

CARMONA RESOURCES





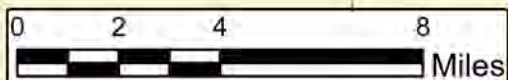
128



128

W NM Highway 128

Ochoa



Legend

 Site Location

SITE LOCATION MAP
CIMAREX ENERGY
 TRISTIE DRAW 30 CTB
 LEA COUNTY, NEW MEXICO
 32.269515, -103.617154

SCALE: As Shown

Date: 5/13/2022


Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

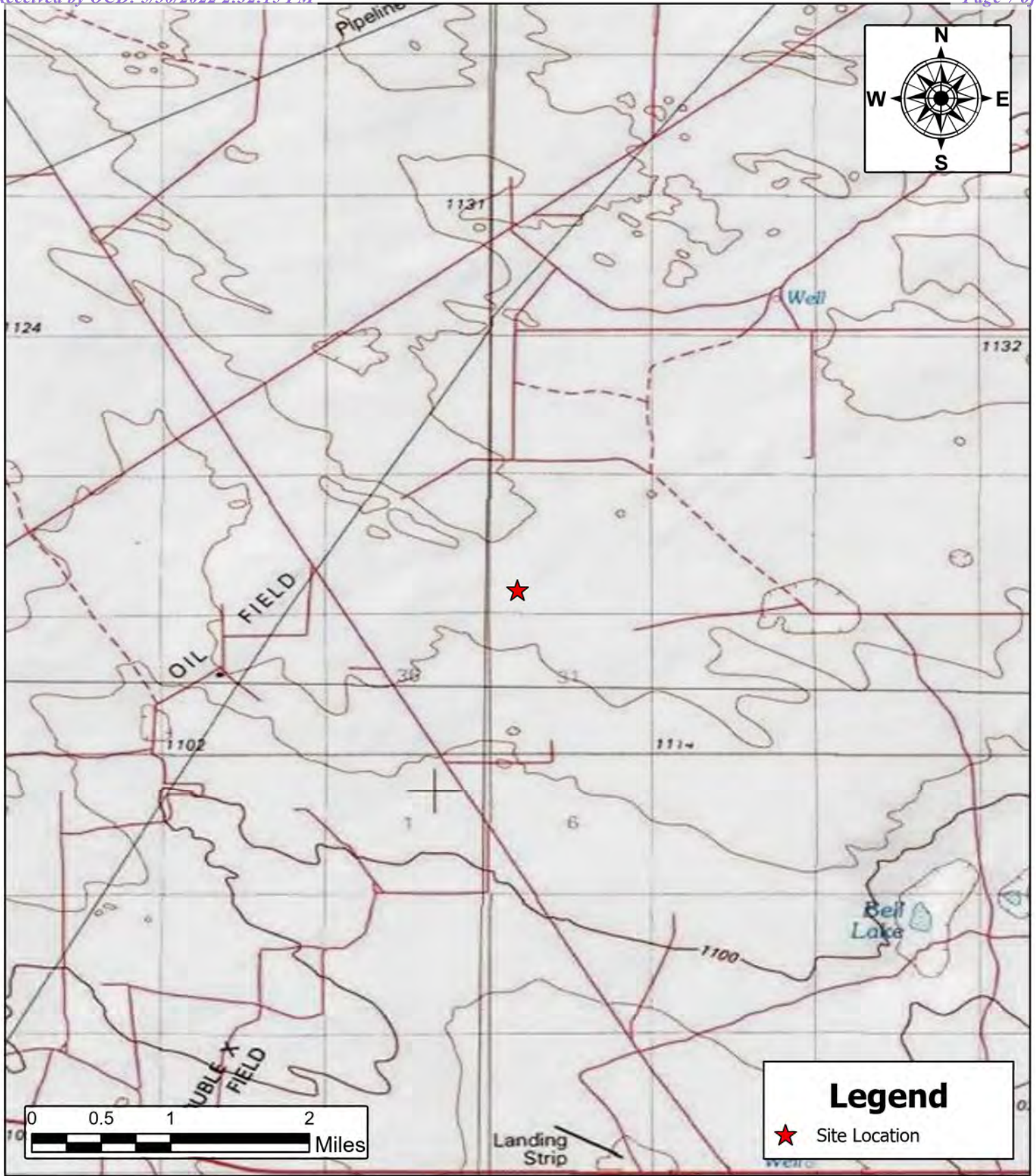
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
CIMAREX ENERGY
TRISTIE DRAW 30 CTB
LEA COUNTY, NEW MEXICO
32.269515, -103.617154

SCALE: As Shown Date: 5/13/2022

CARMONA RESOURCES

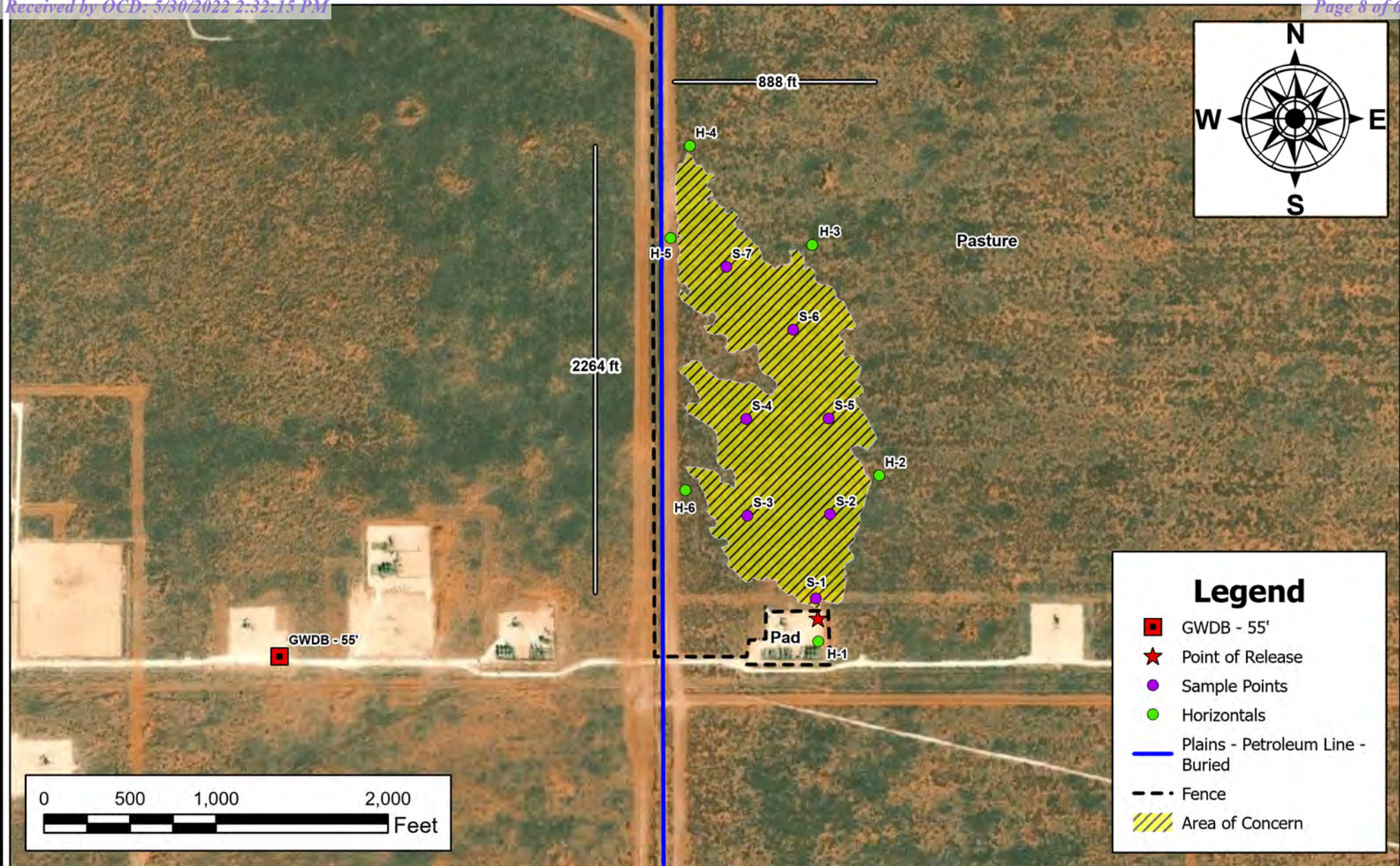
Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2

SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
CIMAREX ENERGY
 TRISTIE DRAW 30 CTB
 LEA COUNTY, NEW MEXICO
 32.269515, -103.617154



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

SCALE: As Shown

Date: 5/13/2022

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Tristie Draw 30 CTB
Lea County, New Mexico

Sample ID	Date	Depth (in)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
S-2	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
S-3	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.96
S-4	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.48
S-5	4/26/2022	0-3"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.99
S-6	4/26/2022	0-3"	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.98
S-7	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	0.00415	0.00415	<4.97
H-1	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
H-2	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
H-3	4/26/2022	0-3"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
H-4	4/26/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.05
H-5	4/26/2022	0-3"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.7
H-6	4/26/2022	0-3"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
Regulatory Criteria ^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

in-inches

(S) Sample Point

(H) Horizontal

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

CIMAREX

Photograph No. 1

Facility: Tristie Draw 30 CTB

County: Lea County, New Mexico

Description:

View East, area of Flare on Pad



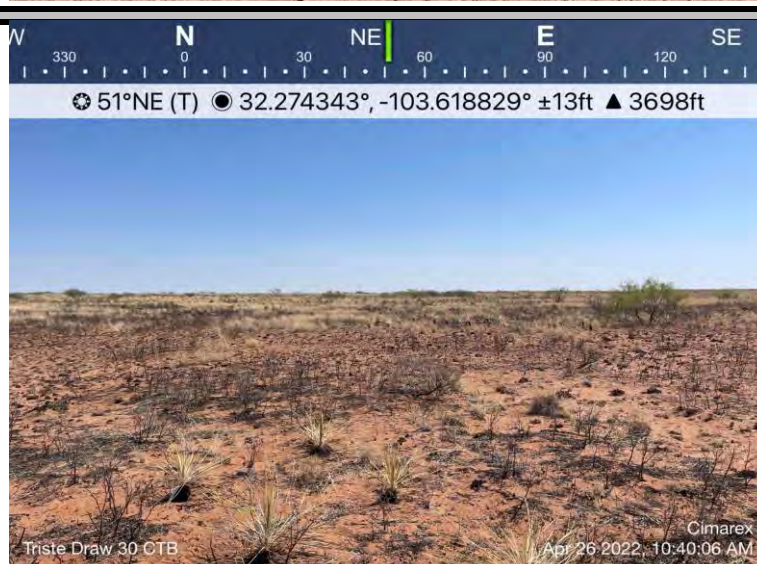
Photograph No. 2

Facility: Tristie Draw 30 CTB

County: Lea County, New Mexico

Description:

View Northeast, area of pasture.



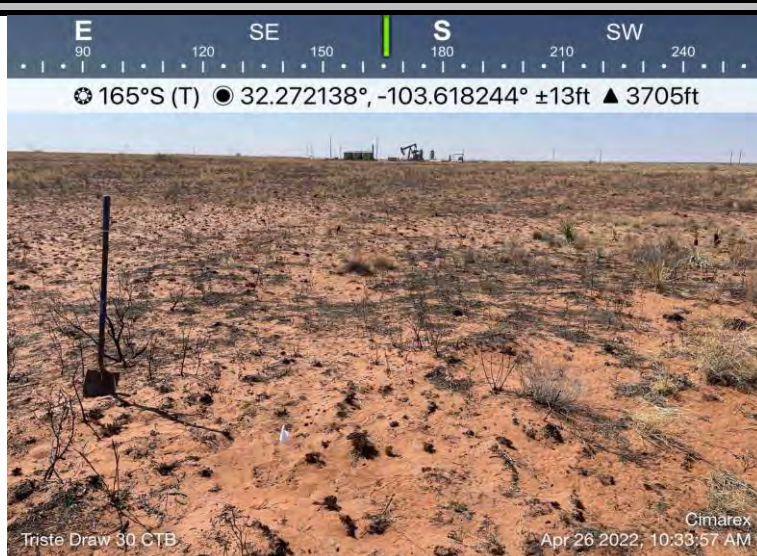
Photograph No. 3

Facility: Tristie Draw 30 CTB

County: Lea County, New Mexico

Description:

View Southeast, area of pasture.



APPENDIX C

CARMONA RESOURCES



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	nAPP2207629179
District RP	
Facility ID	fAPP2125852585
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) nAPP2207629179
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.26943 _____ Longitude -103.61759 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Triste Draw 30 Federal	Site Type: Battery / Pasture
Date Release Discovered: 3/15/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	30	23S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Trey Hughes – Hughes Properties _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe) FIRE	Volume/Weight Released (provide units) 0 bbls	Volume/Weight Recovered (provide units) 0 bbls

Cause of Release: Grass Fire

There were no injuries associated with this fire, no product lost, and no damages to the facility. The cause of the fire is still under investigation. When we arrived on location, we found the flare working and the facility producing, and a fire burning in the pasture behind the battery. We lost some soot out of the flare stack, and it landed in the dry grass, causing a fire. The Jal and Eunice fire department extinguished the fire. We shut in the site for further investigation. We will have Vaprox out to inspect and clean the flare stack before we put the battery back online.

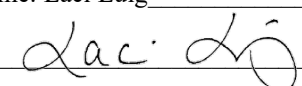
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2207629179
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ 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 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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ 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: 3/17/2022
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ 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	
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: _____ Title: _____

Signature: *Dac. Lj* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
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: _____ Title: _____

Signature: *Laci LQ* Date: _____

email: _____ Telephone: _____

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: *Jennifer Nobui* Date: 06/07/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX D

CARMONA RESOURCES

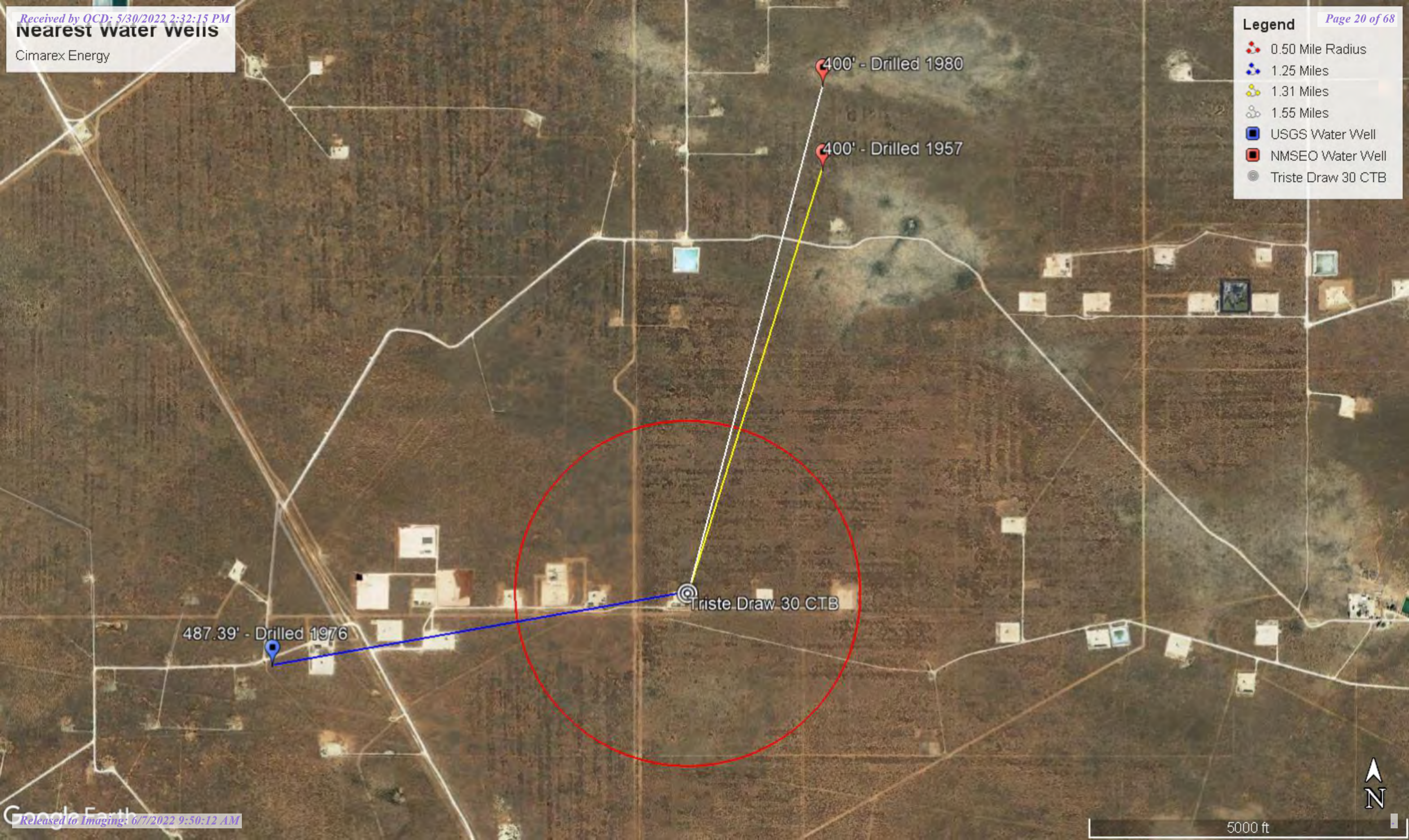


Nearest water wells

Cimarex Energy

Legend

- 0.50 Mile Radius
- 1.25 Miles
- 1.31 Miles
- 1.55 Miles
- USGS Water Well
- NMSEO Water Well
- Triste Draw 30 CTB



Groundwater

Determination Bore

Cimarex Energy

Legend

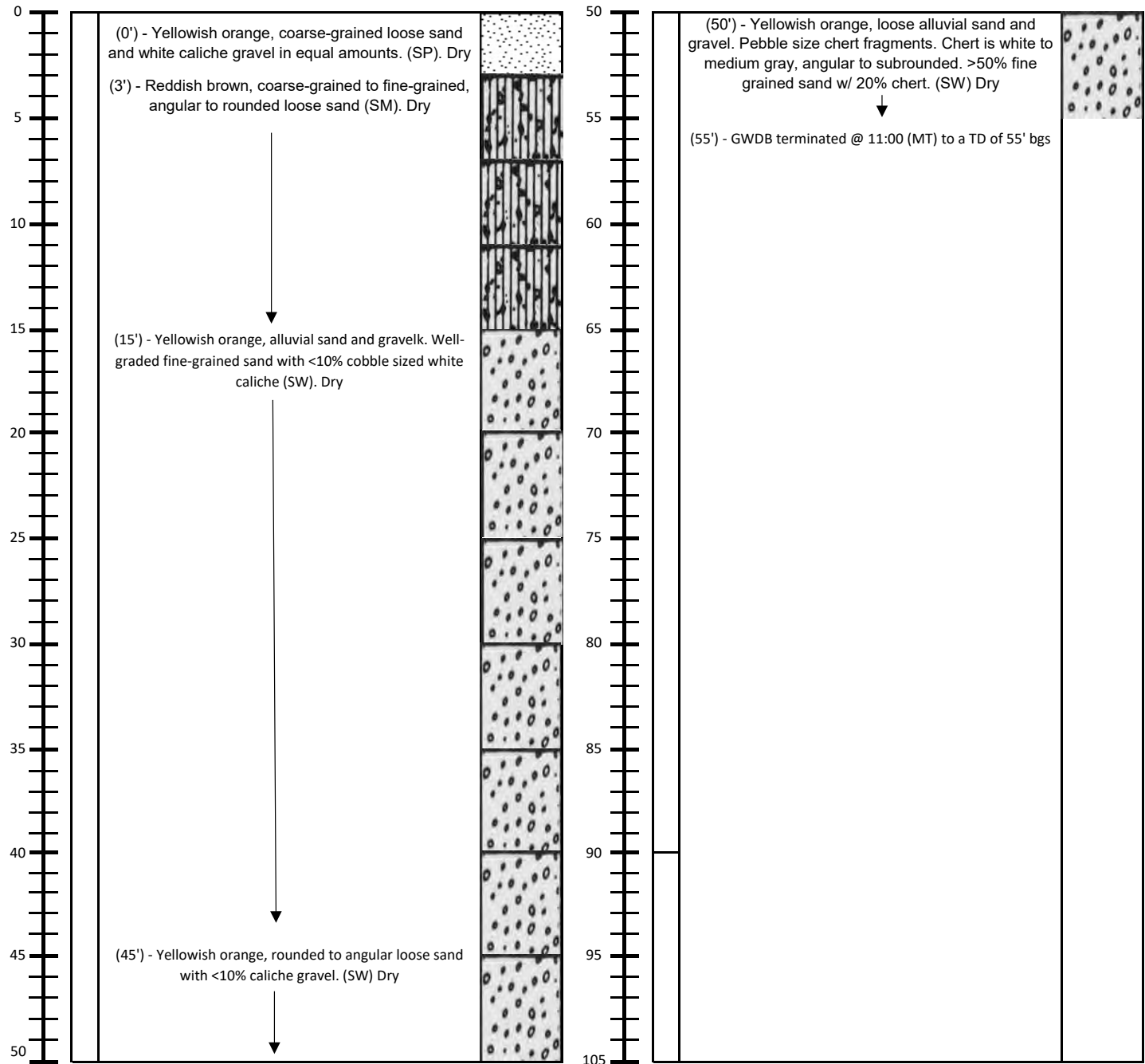
- 0.50 Mile Radius
- GWDB - 55'
- Triste Draw 30 CTB



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

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
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Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

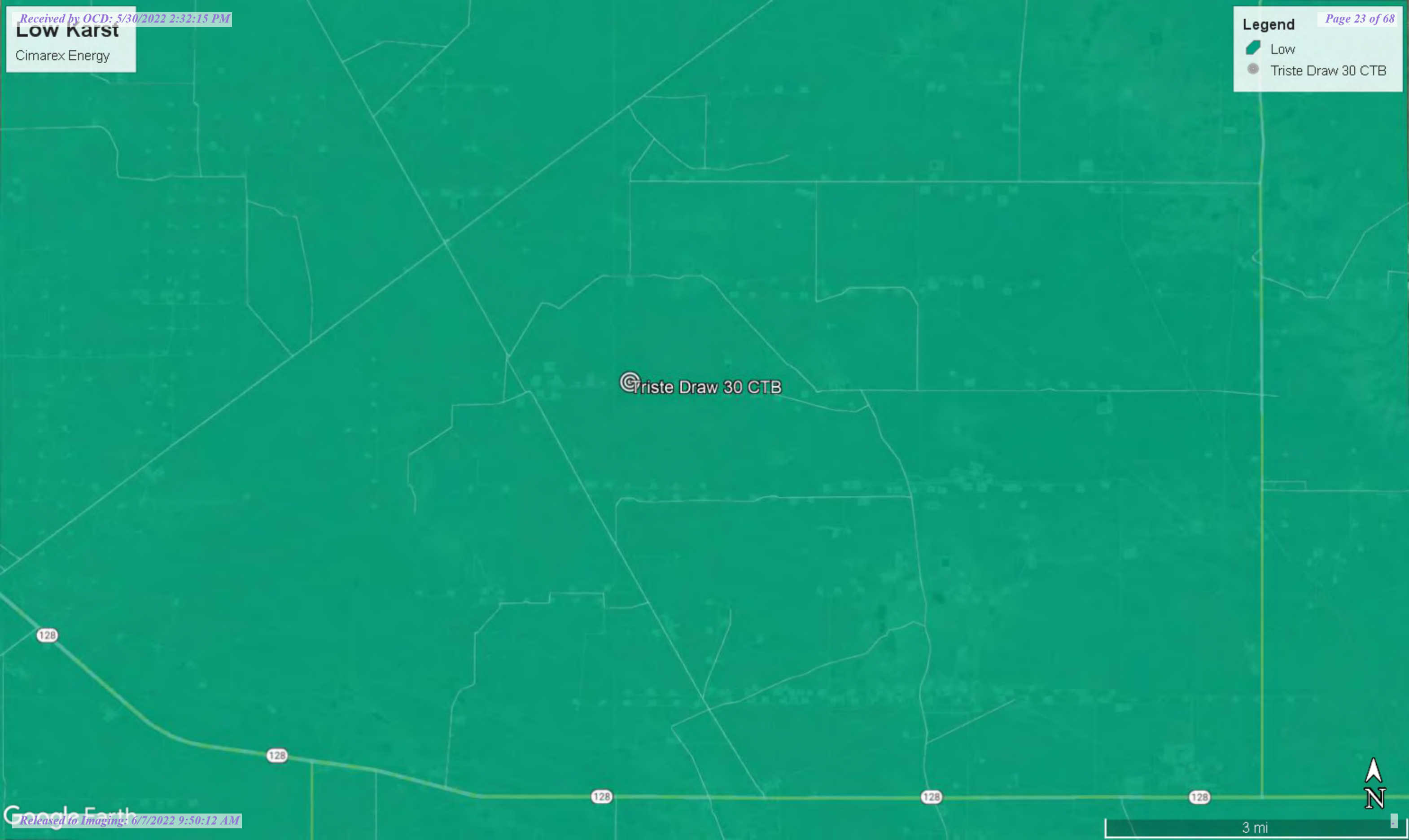
Check for presence of groundwater on 11/01/2021

Low Karst

Cimarex Energy

Legend

- Low
- Triste Draw 30 CTB





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02275	CUB	LE	3	3	2	19	23S	33E	630843	3573557*		650	400	250
C 02276	CUB	LE	3	1	4	19	23S	33E	630848	3573154*		650	400	250
C 02277	CUB	LE	2	3	4	20	23S	33E	632663	3572970*		550	400	150
C 02278	CUB	LE	3	4	2	28	23S	33E	634484	3571989*		650	400	250
C 02279	CUB	LE	3	4	3	28	23S	33E	633691	3571173*		650	400	250
C 02280	CUB	LE	3	2	4	28	23S	33E	634489	3571586*		650	400	250
C 02281	CUB	LE	3	4	4	28	23S	33E	634495	3571183*		545	400	145
C 02282	CUB	LE	3	1	1	25	23S	33E	638098	3572436*		325	225	100
C 02283	CUB	LE	4	2	2	26	23S	33E	637896	3572431*		325	225	100
C 02284	CUB	LE	4	2	4	26	23S	33E	637907	3571626*		325	225	100
C 03582 POD1	C	LE	4	1	1	14	23S	33E	636583	3575666		590		
C 04353 POD1	CUB	ED	4	2	2	24	23S	33E	639474	3574098		603	330	273
C 04551 POD1	CUB	LE	4	4	3	31	23S	33E	630671	3569556				
C 04595 POD1	CUB	LE	4	3	3	34	23S	33E	635150	3569564		55		

Average Depth to Water: **345 feet**

Minimum Depth: **225 feet**

Maximum Depth: **400 feet**

Record Count: 14

PLSS Search:

Township: 23S

Range: 33E

*UTM location was derived from PLSS - see Help

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4/25/22 7:30 PM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	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

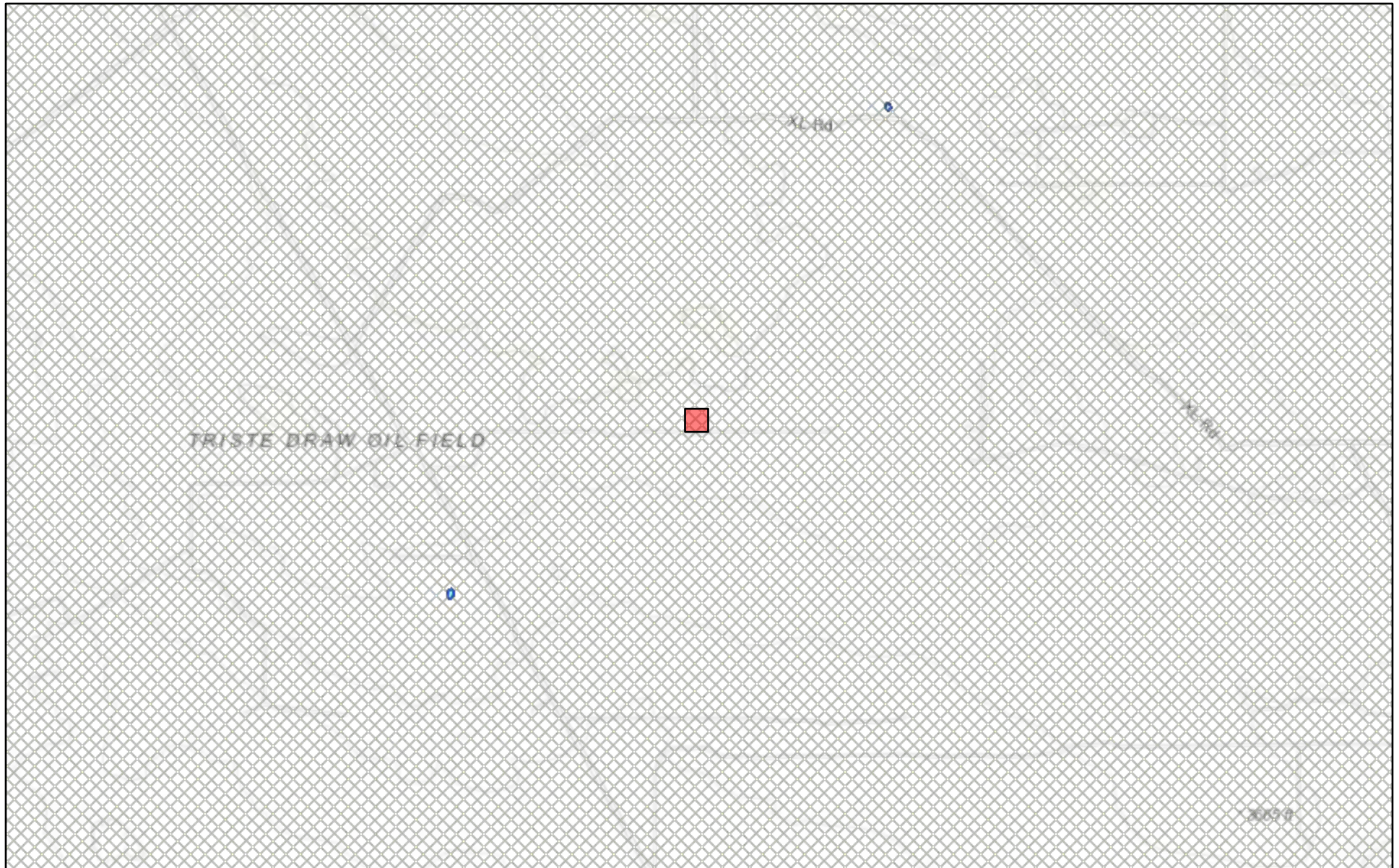
*UTM location was derived from PLSS - see Help

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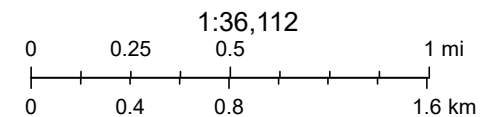
4/25/22 7:36 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



April 25, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	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

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4/25/22 7:37 PM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321555103381501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-12-08			D	62610	3190.61	NGVD29	P		Z	
1976-12-08			D	62611	3192.34	NAVD88	P		Z	
1976-12-08			D	72019	487.39		P		Z	
2013-01-17	00:30 UTC		m	62610		NGVD29	6		S	USGS
2013-01-17	00:30 UTC		m	62611		NAVD88	6		S	USGS
2013-01-17	00:30 UTC		m	72019			6		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status	6	Measurement unable to be obtained due to local conditions
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-04-25 21:28:39 EDT
0.28 0.24 nadww01

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-14144-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Tristie Draw 30 CTB

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
5/9/2022 2:53:33 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Laboratory Job ID: 880-14144-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Job ID: 880-14144-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-14144-1**

Receipt

The samples were received on 4/27/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25054 and analytical batch 880-25025 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24372 and analytical batch 880-24366 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-6 (0-3") (880-14144-6). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-14144-1

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 01:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 01:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 01:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 01:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 01:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/08/22 16:42	05/09/22 01:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/08/22 16:42	05/09/22 01:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	04/28/22 08:46	04/28/22 14:30	1
o-Terphenyl	77		70 - 130	04/28/22 08:46	04/28/22 14:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/02/22 09:03	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14144-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 02:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/08/22 16:42	05/09/22 02:00	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/08/22 16:42	05/09/22 02:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14144-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/28/22 08:46	04/28/22 14:50	1
o-Terphenyl	79		70 - 130				04/28/22 08:46	04/28/22 14:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			05/02/22 09:31	1

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14144-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/22 16:42	05/09/22 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/08/22 16:42	05/09/22 02:20	1
1,4-Difluorobenzene (Surr)	79		70 - 130				05/08/22 16:42	05/09/22 02:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 15:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 15:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14144-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/28/22 08:46	04/28/22 15:11	1
o-Terphenyl	81		70 - 130				04/28/22 08:46	04/28/22 15:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			05/02/22 09:40	1

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-14144-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/08/22 16:42	05/09/22 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/08/22 16:42	05/09/22 03:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/08/22 16:42	05/09/22 03:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				04/28/22 08:46	04/28/22 15:53	1
o-Terphenyl	76		70 - 130				04/28/22 08:46	04/28/22 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.48		5.04		mg/Kg			05/02/22 09:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-14144-5

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/08/22 16:42	05/09/22 04:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/08/22 16:42	05/09/22 04:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/08/22 16:42	05/09/22 04:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/08/22 16:42	05/09/22 04:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/08/22 16:42	05/09/22 04:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/08/22 16:42	05/09/22 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/08/22 16:42	05/09/22 04:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/08/22 16:42	05/09/22 04:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	04/28/22 08:46	04/28/22 16:14	1
o-Terphenyl	80		70 - 130	04/28/22 08:46	04/28/22 16:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/02/22 09:58	1

Client Sample ID: S-6 (0-3")

Lab Sample ID: 880-14144-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/08/22 16:42	05/09/22 04:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/08/22 16:42	05/09/22 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/08/22 16:42	05/09/22 04:22	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/08/22 16:42	05/09/22 04:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-6 (0-3")

Lab Sample ID: 880-14144-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				04/28/22 08:46	04/28/22 16:35	1
o-Terphenyl	72		70 - 130				04/28/22 08:46	04/28/22 16:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/02/22 10:26	1

Client Sample ID: S-7 (0-3")

Lab Sample ID: 880-14144-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
o-Xylene	0.00415		0.00202		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
Xylenes, Total	0.00415		0.00403		mg/Kg		05/08/22 16:42	05/09/22 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130				05/08/22 16:42	05/09/22 04:43	1
1,4-Difluorobenzene (Surr)	75		70 - 130				05/08/22 16:42	05/09/22 04:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00415		0.00403		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 16:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 16:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-7 (0-3")

Lab Sample ID: 880-14144-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/28/22 08:46	04/28/22 16:56	1
o-Terphenyl	91		70 - 130				04/28/22 08:46	04/28/22 16:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/02/22 10:35	1

Client Sample ID: H-1(0-3")

Lab Sample ID: 880-14144-8

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	36	S1-	70 - 130				05/08/22 16:42	05/09/22 05:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/08/22 16:42	05/09/22 05:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/28/22 08:46	04/28/22 17:17	1
o-Terphenyl	79		70 - 130				04/28/22 08:46	04/28/22 17:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			05/02/22 10:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14144-9

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 05:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/08/22 16:42	05/09/22 05:24	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/08/22 16:42	05/09/22 05:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	04/28/22 08:46	04/28/22 17:38	1
o-Terphenyl	82		70 - 130	04/28/22 08:46	04/28/22 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/02/22 10:54	1

Client Sample ID: H-3 (0-3")

Lab Sample ID: 880-14144-10

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 05:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 05:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/08/22 16:42	05/09/22 05:44	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/08/22 16:42	05/09/22 05:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-3")

Lab Sample ID: 880-14144-10

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				04/28/22 08:46	04/28/22 17:59	1
o-Terphenyl	77		70 - 130				04/28/22 08:46	04/28/22 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/02/22 11:03	1

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14144-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/22 16:42	05/09/22 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/08/22 16:42	05/09/22 06:05	1
1,4-Difluorobenzene (Surr)	79		70 - 130				05/08/22 16:42	05/09/22 06:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 18:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 18:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14144-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/28/22 08:46	04/28/22 18:20	1
o-Terphenyl	80		70 - 130				04/28/22 08:46	04/28/22 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			05/02/22 11:12	1

Client Sample ID: H-5 (0-3")

Lab Sample ID: 880-14144-12

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				05/08/22 16:42	05/09/22 06:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/08/22 16:42	05/09/22 06:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				04/28/22 08:46	04/28/22 18:41	1
o-Terphenyl	75		70 - 130				04/28/22 08:46	04/28/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		4.99		mg/Kg			05/02/22 11:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: H-6 (0-3")

Lab Sample ID: 880-14144-13

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 06:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/22 16:42	05/09/22 06:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/22 16:42	05/09/22 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/08/22 16:42	05/09/22 06:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/08/22 16:42	05/09/22 06:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/22 15:20	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/29/22 16:37	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/22 08:46	04/28/22 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	04/28/22 08:46	04/28/22 19:02	1
o-Terphenyl	77		70 - 130	04/28/22 08:46	04/28/22 19:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			05/02/22 11:49	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-14140-A-14-G MS	Matrix Spike	91	107
880-14140-A-14-H MSD	Matrix Spike Duplicate	45 S1-	79
880-14144-1	S-1 (0-3")	107	84
880-14144-2	S-2 (0-3")	104	81
880-14144-3	S-3 (0-3")	88	79
880-14144-4	S-4 (0-3")	97	86
880-14144-5	S-5 (0-3")	83	97
880-14144-6	S-6 (0-3")	87	86
880-14144-7	S-7 (0-3")	54 S1-	75
880-14144-8	H-1(0-3")	36 S1-	98
880-14144-9	H-2 (0-3")	91	83
880-14144-10	H-3 (0-3")	90	81
880-14144-11	H-4 (0-3")	87	79
880-14144-12	H-5 (0-3")	65 S1-	101
880-14144-13	H-6 (0-3")	115	90
LCS 880-25054/1-A	Lab Control Sample	108	95
LCSD 880-25054/2-A	Lab Control Sample Dup	108	94
MB 880-24961/5-A	Method Blank	99	88
MB 880-25054/5-A	Method Blank	103	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-14144-1	S-1 (0-3")	73	77
880-14144-2	S-2 (0-3")	75	79
880-14144-3	S-3 (0-3")	74	81
880-14144-4	S-4 (0-3")	72	76
880-14144-5	S-5 (0-3")	75	80
880-14144-6	S-6 (0-3")	69 S1-	72
880-14144-7	S-7 (0-3")	86	91
880-14144-8	H-1(0-3")	74	79
880-14144-9	H-2 (0-3")	75	82
880-14144-10	H-3 (0-3")	73	77
880-14144-11	H-4 (0-3")	75	80
880-14144-12	H-5 (0-3")	71	75
880-14144-13	H-6 (0-3")	72	77
890-2238-A-1-C MS	Matrix Spike	73	74
890-2238-A-1-D MSD	Matrix Spike Duplicate	73	72

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Surrogate Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-24372/2-A	Lab Control Sample	100	120
LCSD 880-24372/3-A	Lab Control Sample Dup	97	116
MB 880-24372/1-A	Method Blank	83	96
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-24961/5-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/22 11:08	05/08/22 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 11:08	05/08/22 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 11:08	05/08/22 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/22 11:08	05/08/22 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 11:08	05/08/22 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/22 11:08	05/08/22 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/06/22 11:08	05/08/22 11:55	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/06/22 11:08	05/08/22 11:55	1

Lab Sample ID: MB 880-25054/5-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/08/22 22:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/08/22 22:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/08/22 22:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/22 16:42	05/08/22 22:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/22 16:42	05/08/22 22:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/22 16:42	05/08/22 22:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/08/22 16:42	05/08/22 22:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/08/22 16:42	05/08/22 22:55	1

Lab Sample ID: LCS 880-25054/1-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08278		mg/Kg		83	70 - 130
Toluene	0.100	0.08900		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09345		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09676		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-25054/2-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 25054

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08253		mg/Kg		83	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-25054/2-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 25054

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08859		mg/Kg		89	70 - 130	0	35
Ethylbenzene	0.100	0.09428		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09747		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-14140-A-14-G MS

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 25054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.101	0.03788	F1	mg/Kg		38	70 - 130
Toluene	<0.00201	U F1	0.101	0.04195	F1	mg/Kg		42	70 - 130
Ethylbenzene	<0.00201	U F1 F2	0.101	0.04068	F1	mg/Kg		40	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.202	0.06316	F1	mg/Kg		31	70 - 130
o-Xylene	<0.00201	U F1 F2	0.101	0.05196	F1	mg/Kg		52	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-14140-A-14-H MSD

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 25054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.0996	<0.00199	U F1 F2	mg/Kg		0.7	70 - 130	193	35
Toluene	<0.00201	U F1	0.0996	0.03238	F1	mg/Kg		33	70 - 130	26	35
Ethylbenzene	<0.00201	U F1 F2	0.0996	0.02744	F1 F2	mg/Kg		28	70 - 130	39	35
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.199	0.03789	F1 F2	mg/Kg		19	70 - 130	50	35
o-Xylene	<0.00201	U F1 F2	0.0996	0.03342	F1 F2	mg/Kg		34	70 - 130	43	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	45	S1-	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-24372/1-A

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 10:18	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-24372/1-A

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 10:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/22 08:46	04/28/22 10:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				04/28/22 08:46	04/28/22 10:18	1
o-Terphenyl	96		70 - 130				04/28/22 08:46	04/28/22 10:18	1

Lab Sample ID: LCS 880-24372/2-A

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.5		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	100		70 - 130				
o-Terphenyl	120		70 - 130				

Lab Sample ID: LCSD 880-24372/3-A

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24372

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1068		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	857.3		mg/Kg		86	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 890-2238-A-1-C MS

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 24372

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	800.8		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	718.8		mg/Kg		70	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	73		70 - 130						
o-Terphenyl	74		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2238-A-1-D MSD

Matrix: Solid

Analysis Batch: 24366

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24372

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	799.4		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	701.8	F1	mg/Kg		68	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	73		70 - 130								
o-Terphenyl	72		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24362/1-A

Matrix: Solid

Analysis Batch: 24627

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/02/22 08:35	1

Lab Sample ID: LCS 880-24362/2-A

Matrix: Solid

Analysis Batch: 24627

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	229.9		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-24362/3-A

Matrix: Solid

Analysis Batch: 24627

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.5		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-14144-1 MS

Matrix: Solid

Analysis Batch: 24627

Client Sample ID: S-1 (0-3")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.98	U	249	244.8		mg/Kg		97	90 - 110

Lab Sample ID: 880-14144-1 MSD

Matrix: Solid

Analysis Batch: 24627

Client Sample ID: S-1 (0-3")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.98	U	249	239.5		mg/Kg		95	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-14144-11 MS											Client Sample ID: H-4 (0-3")		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 24627													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	<5.05	U	253	249.6		mg/Kg		97	90 - 110				

Lab Sample ID: 880-14144-11 MSD											Client Sample ID: H-4 (0-3")		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 24627													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	<5.05	U	253	257.3		mg/Kg		100	90 - 110	3	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 24961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24961/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 25025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	8021B	25054
880-14144-2	S-2 (0-3")	Total/NA	Solid	8021B	25054
880-14144-3	S-3 (0-3")	Total/NA	Solid	8021B	25054
880-14144-4	S-4 (0-3")	Total/NA	Solid	8021B	25054
880-14144-5	S-5 (0-3")	Total/NA	Solid	8021B	25054
880-14144-6	S-6 (0-3")	Total/NA	Solid	8021B	25054
880-14144-7	S-7 (0-3")	Total/NA	Solid	8021B	25054
880-14144-8	H-1(0-3")	Total/NA	Solid	8021B	25054
880-14144-9	H-2 (0-3")	Total/NA	Solid	8021B	25054
880-14144-10	H-3 (0-3")	Total/NA	Solid	8021B	25054
880-14144-11	H-4 (0-3")	Total/NA	Solid	8021B	25054
880-14144-12	H-5 (0-3")	Total/NA	Solid	8021B	25054
880-14144-13	H-6 (0-3")	Total/NA	Solid	8021B	25054
MB 880-24961/5-A	Method Blank	Total/NA	Solid	8021B	24961
MB 880-25054/5-A	Method Blank	Total/NA	Solid	8021B	25054
LCS 880-25054/1-A	Lab Control Sample	Total/NA	Solid	8021B	25054
LCSD 880-25054/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25054
880-14140-A-14-G MS	Matrix Spike	Total/NA	Solid	8021B	25054
880-14140-A-14-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25054

Prep Batch: 25054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	5035	
880-14144-2	S-2 (0-3")	Total/NA	Solid	5035	
880-14144-3	S-3 (0-3")	Total/NA	Solid	5035	
880-14144-4	S-4 (0-3")	Total/NA	Solid	5035	
880-14144-5	S-5 (0-3")	Total/NA	Solid	5035	
880-14144-6	S-6 (0-3")	Total/NA	Solid	5035	
880-14144-7	S-7 (0-3")	Total/NA	Solid	5035	
880-14144-8	H-1(0-3")	Total/NA	Solid	5035	
880-14144-9	H-2 (0-3")	Total/NA	Solid	5035	
880-14144-10	H-3 (0-3")	Total/NA	Solid	5035	
880-14144-11	H-4 (0-3")	Total/NA	Solid	5035	
880-14144-12	H-5 (0-3")	Total/NA	Solid	5035	
880-14144-13	H-6 (0-3")	Total/NA	Solid	5035	
MB 880-25054/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25054/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25054/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14140-A-14-G MS	Matrix Spike	Total/NA	Solid	5035	
880-14140-A-14-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 25140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-2	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-3	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-4	S-4 (0-3")	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 25140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-5	S-5 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-6	S-6 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-7	S-7 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-8	H-1(0-3")	Total/NA	Solid	Total BTEX	
880-14144-9	H-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-10	H-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-11	H-4 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-12	H-5 (0-3")	Total/NA	Solid	Total BTEX	
880-14144-13	H-6 (0-3")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 24366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-2	S-2 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-3	S-3 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-4	S-4 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-5	S-5 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-6	S-6 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-7	S-7 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-8	H-1(0-3")	Total/NA	Solid	8015B NM	24372
880-14144-9	H-2 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-10	H-3 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-11	H-4 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-12	H-5 (0-3")	Total/NA	Solid	8015B NM	24372
880-14144-13	H-6 (0-3")	Total/NA	Solid	8015B NM	24372
MB 880-24372/1-A	Method Blank	Total/NA	Solid	8015B NM	24372
LCS 880-24372/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24372
LCSD 880-24372/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24372
890-2238-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	24372
890-2238-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24372

Prep Batch: 24372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-2	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-3	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-4	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-5	S-5 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-6	S-6 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-7	S-7 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-8	H-1(0-3")	Total/NA	Solid	8015NM Prep	
880-14144-9	H-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-10	H-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-11	H-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-12	H-5 (0-3")	Total/NA	Solid	8015NM Prep	
880-14144-13	H-6 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-24372/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24372/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24372/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 24372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2238-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2238-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-14144-2	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-14144-3	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-14144-4	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-14144-5	S-5 (0-3")	Total/NA	Solid	8015 NM	
880-14144-6	S-6 (0-3")	Total/NA	Solid	8015 NM	
880-14144-7	S-7 (0-3")	Total/NA	Solid	8015 NM	
880-14144-8	H-1(0-3")	Total/NA	Solid	8015 NM	
880-14144-9	H-2 (0-3")	Total/NA	Solid	8015 NM	
880-14144-10	H-3 (0-3")	Total/NA	Solid	8015 NM	
880-14144-11	H-4 (0-3")	Total/NA	Solid	8015 NM	
880-14144-12	H-5 (0-3")	Total/NA	Solid	8015 NM	
880-14144-13	H-6 (0-3")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 24362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14144-2	S-2 (0-3")	Soluble	Solid	DI Leach	
880-14144-3	S-3 (0-3")	Soluble	Solid	DI Leach	
880-14144-4	S-4 (0-3")	Soluble	Solid	DI Leach	
880-14144-5	S-5 (0-3")	Soluble	Solid	DI Leach	
880-14144-6	S-6 (0-3")	Soluble	Solid	DI Leach	
880-14144-7	S-7 (0-3")	Soluble	Solid	DI Leach	
880-14144-8	H-1(0-3")	Soluble	Solid	DI Leach	
880-14144-9	H-2 (0-3")	Soluble	Solid	DI Leach	
880-14144-10	H-3 (0-3")	Soluble	Solid	DI Leach	
880-14144-11	H-4 (0-3")	Soluble	Solid	DI Leach	
880-14144-12	H-5 (0-3")	Soluble	Solid	DI Leach	
880-14144-13	H-6 (0-3")	Soluble	Solid	DI Leach	
MB 880-24362/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24362/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24362/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14144-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14144-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14144-11 MS	H-4 (0-3")	Soluble	Solid	DI Leach	
880-14144-11 MSD	H-4 (0-3")	Soluble	Solid	DI Leach	

Analysis Batch: 24627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-1	S-1 (0-3")	Soluble	Solid	300.0	24362
880-14144-2	S-2 (0-3")	Soluble	Solid	300.0	24362
880-14144-3	S-3 (0-3")	Soluble	Solid	300.0	24362
880-14144-4	S-4 (0-3")	Soluble	Solid	300.0	24362
880-14144-5	S-5 (0-3")	Soluble	Solid	300.0	24362

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QC Association Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 24627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14144-6	S-6 (0-3")	Soluble	Solid	300.0	24362
880-14144-7	S-7 (0-3")	Soluble	Solid	300.0	24362
880-14144-8	H-1(0-3")	Soluble	Solid	300.0	24362
880-14144-9	H-2 (0-3")	Soluble	Solid	300.0	24362
880-14144-10	H-3 (0-3")	Soluble	Solid	300.0	24362
880-14144-11	H-4 (0-3")	Soluble	Solid	300.0	24362
880-14144-12	H-5 (0-3")	Soluble	Solid	300.0	24362
880-14144-13	H-6 (0-3")	Soluble	Solid	300.0	24362
MB 880-24362/1-A	Method Blank	Soluble	Solid	300.0	24362
LCS 880-24362/2-A	Lab Control Sample	Soluble	Solid	300.0	24362
LCSD 880-24362/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24362
880-14144-1 MS	S-1 (0-3")	Soluble	Solid	300.0	24362
880-14144-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	24362
880-14144-11 MS	H-4 (0-3")	Soluble	Solid	300.0	24362
880-14144-11 MSD	H-4 (0-3")	Soluble	Solid	300.0	24362

Lab Chronicle

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-14144-1

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 01:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 14:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 09:03	CH	XEN MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14144-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 02:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 14:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 09:31	CH	XEN MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14144-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 02:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 09:40	CH	XEN MID

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-14144-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 03:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-14144-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 09:49	CH	XEN MID

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-14144-5

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 04:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 16:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 09:58	CH	XEN MID

Client Sample ID: S-6 (0-3")

Lab Sample ID: 880-14144-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 04:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 16:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 10:26	CH	XEN MID

Client Sample ID: S-7 (0-3")

Lab Sample ID: 880-14144-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 04:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 16:56	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: S-7 (0-3")

Lab Sample ID: 880-14144-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 10:35	CH	XEN MID

Client Sample ID: H-1(0-3")

Lab Sample ID: 880-14144-8

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 05:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 10:44	CH	XEN MID

Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14144-9

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 05:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 10:54	CH	XEN MID

Client Sample ID: H-3 (0-3")

Lab Sample ID: 880-14144-10

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 05:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 11:03	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14144-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 06:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 11:12	CH	XEN MID

Client Sample ID: H-5 (0-3")

Lab Sample ID: 880-14144-12

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 06:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 11:40	CH	XEN MID

Client Sample ID: H-6 (0-3")

Lab Sample ID: 880-14144-13

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25054	05/08/22 16:42	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/09/22 06:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25140	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24539	04/29/22 16:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24372	04/28/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24366	04/28/22 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24362	04/27/22 17:47	SC	XEN MID
Soluble	Analysis	300.0		1			24627	05/02/22 11:49	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Tristie Draw 30 CTB

Job ID: 880-14144-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14144-1	S-1 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-2	S-2 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-3	S-3 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-4	S-4 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-5	S-5 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-6	S-6 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-7	S-7 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-8	H-1(0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-9	H-2 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-10	H-3 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-11	H-4 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-12	H-5 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00
880-14144-13	H-6 (0-3")	Solid	04/26/22 00:00	04/27/22 10:00

[illegible]

Project Manager	Conner Moehning	Bill to (if different)	Laci Lung
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marnefield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	laci.lung@coterra.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-14144-1

SDG Number: Lea Co, NM

Login Number: 14144

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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 111816

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 111816
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/7/2022