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## Closure Report

Voni East Fed Tank Battery  
Eddy County, New Mexico  
Incident # **nAPP2202659785**  
B-21-26S-31E

## Prepared For:

Matador Production Company  
One Lincoln Center  
Dallas, TX 75240

## Prepared By:

Talon/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**July 29, 2022**

Mr. Rob Hamlet  
NMOCD  
Artesia, NM

Mr. Jim Amos  
BLM  
Carlsbad , NM

Subject: **Closure Report**  
**Voni East Fed Tank Battery**  
Eddy County, New Mexico  
Incident # **nAPP2202659785**

Dear Mr. Hamlet,

Matador Production Company contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

### **Site Information**

The Voni East Federal Tank Battery is located approximately thirty (36) miles southeast of Carlsbad New Mexico. The legal description for the site of the release is Unit Letter B, Section 21, Township 26 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.533 and -104.087587. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Tonuco loamy fine sand, with 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of mixed alluvium and/or eolian sands. The soil characterization for this site contains a certain level of natural salinity. Drainage courses in this area are excessively well drained.

### **Groundwater and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 365 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a potentially high Karst area.

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

Approximate Depth to Groundwater		365	Feet/bgs
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within an unstable area		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain		

Because the release occurred on a location that is situated within a potentially high Karst area, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

On January 23, 2022 Matador personnel noticed a release of fluid as a result of header valve failure on the SWD pump. Matador personnel took proactive measure by the hydro-vacking and scraping up of saturated soils. Talon was contracted to assess this site. A spill notification and subsequent C-141 was submitted to the NMOCD that assigned this incident no. **nAPP2202659785**. Approximately 78 bbl of produced water were released and 10 bbl were recovered. The C-141 is attached in Appendix V. The site map is presented in [Appendix I](#).

## Site Assessment

On January 25, 2022 Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. Auger refusal was encountered at all sample positions. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides (CI Method SM4500CI-B), TPH (Total Petroleum Hydrocarbons EPA Method 8015M), and BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes EPA Method 8021B). Sample locations are shown on the attached Figure 1 ([Appendix I](#)), and the results of our sampling event are presented on the following data table.

**Table I**  
*01/28/2021 Soil Sample Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S-1	1/25/2022	0-1'R	ND	ND	DN	ND	ND	-	5360
S-2	1/25/2022	0-1'R	ND	ND	ND	99.2	ND	99.2	6880
S-3	1/25/2022	0-1'R	ND	ND	ND	187	21.3	208.3	12700
S-4	1/25/2022	0-1'R	ND	ND	ND	60.4	ND	60.4	13700
S-5	1/25/2022	0-1'R	ND	ND	ND	153	14.6	167.6	12700
S-6	1/25/2022	0-1'R	ND	ND	ND	39	ND	39	7840
S-7	1/25/2022	0'	ND	ND	ND	121	37.8	158.8	272
S-8	1/25/2022	0'	ND	ND	ND	74.5	23.9	98.4	336
S-9	1/25/2022	0'	ND	ND	ND	ND	12.4	12.4	400

ND=Analyte Not Detected

R=Auger Refusal

See Appendix [IV](#) for the complete report of laboratory results.

On March 23, 2022 based on the laboratory results from the initial assessment data and upon client authorization, Talon personnel and equipment were mobilized to the site, in order to commence remediation of the impacted pad area around risers and utility lines. Field titration data was used to guide the clean-up efforts. The impacted area was excavated from 2 foot to 3 feet in depth. All soil samples were properly collected on a five-point composite basis, and preserved for transport to Cardinal Laboratories in order to confirm that NMOCD clean-up criteria had been achieved in accordance with Table 1 standards. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 3 (Appendix I).

**Table II**  
*03/30/2022 Soil Confirmation Samples Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S-1A	3/25/2022	2'	ND	ND	ND	ND	ND	0	128
S-2A	3/23/2022	2'	ND	ND	ND	ND	ND	0	288
S-3A	3/23/2022	5'	ND	ND	ND	ND	ND	0	256
S-4A	3/23/2022	3'	ND	ND	ND	ND	ND	0	368
S-5A	3/23/2022	2'	ND	ND	ND	ND	ND	0	304
S-6A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-7A	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
S-10A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-11A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-12A	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
S-13A	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
S-14A	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
S-15A	3/23/2022	3'	ND	ND	ND	ND	ND	0	400
SW-1	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
SW-2	3/25/2022	3'	ND	ND	ND	ND	ND	0	160
SW-3	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
SW-4	3/25/2022	3'	ND	ND	ND	ND	ND	0	144
SW-5	3/25/2022	2'	ND	ND	ND	ND	ND	0	160
SW-6	3/25/2022	3'	ND	ND	ND	ND	ND	0	176
SW-7	3/25/2022	5'	ND	ND	ND	ND	ND	0	176
SW-8	3/25/2022	3'	ND	ND	ND	ND	ND	0	160

ND= Analyte Not Detected      SW= Sidewall

See [Appendix IV](#) for the complete report of laboratory results.

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### Remedial Actions

- The impacted area of the pad was excavated to depths from 2 feet to 3 feet in depth, and to the horizontal extent that sidewalls tested below the remediation levels for NMOCD Table 1 guidelines. All surface staining was removed. Laboratory analysis confirms that NMOCD closure criteria for soil remediation vertically and horizontally has been achieved.
- The areas under high-pressure lines were hand excavated or hydro-vacked to the extent safe and practicable. No additional excavation could be conducted around the electrical panels due to safety constraints. However, sample positions S-2A and S-11A analyte levels indicated that the clean-up levels had been achieved. No sidewall samples from this area could be obtained as beneath the surface is dense with high voltage electrical lines.
- Background and sidewall samples were collected and analyzed in order to verify that horizontal remediation had been achieved in accordance with NMOCD clean-up criteria.
- All contaminated soil, approximately 175.54 tons were transported to Lea Landfill, a NMOCD approved solid waste disposal facility. All liquid state contamination was disposed of at R360, also a NMOCD approved disposal facility.
- The excavated pad area was backfilled with clean caliche transported from Lea Landfill. as this is a high-volume traffic area, the pad was packed, and restored to grade.

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## Closure

On behalf of Matador Resources, Inc. we respectfully submit this closure report for the referenced incident. Based on this site characterization, remedial action completed, and analytical results, we request that no further actions be required.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons  
Senior Environmental Project Manager

### Attachments:

- Appendix I Site Plans
- Appendix II Groundwater Data, Soil Survey
- Appendix III Photographic Documentation
- Appendix IV Laboratory Data
- Appendix V NMOCD File-C141



## Appendix I

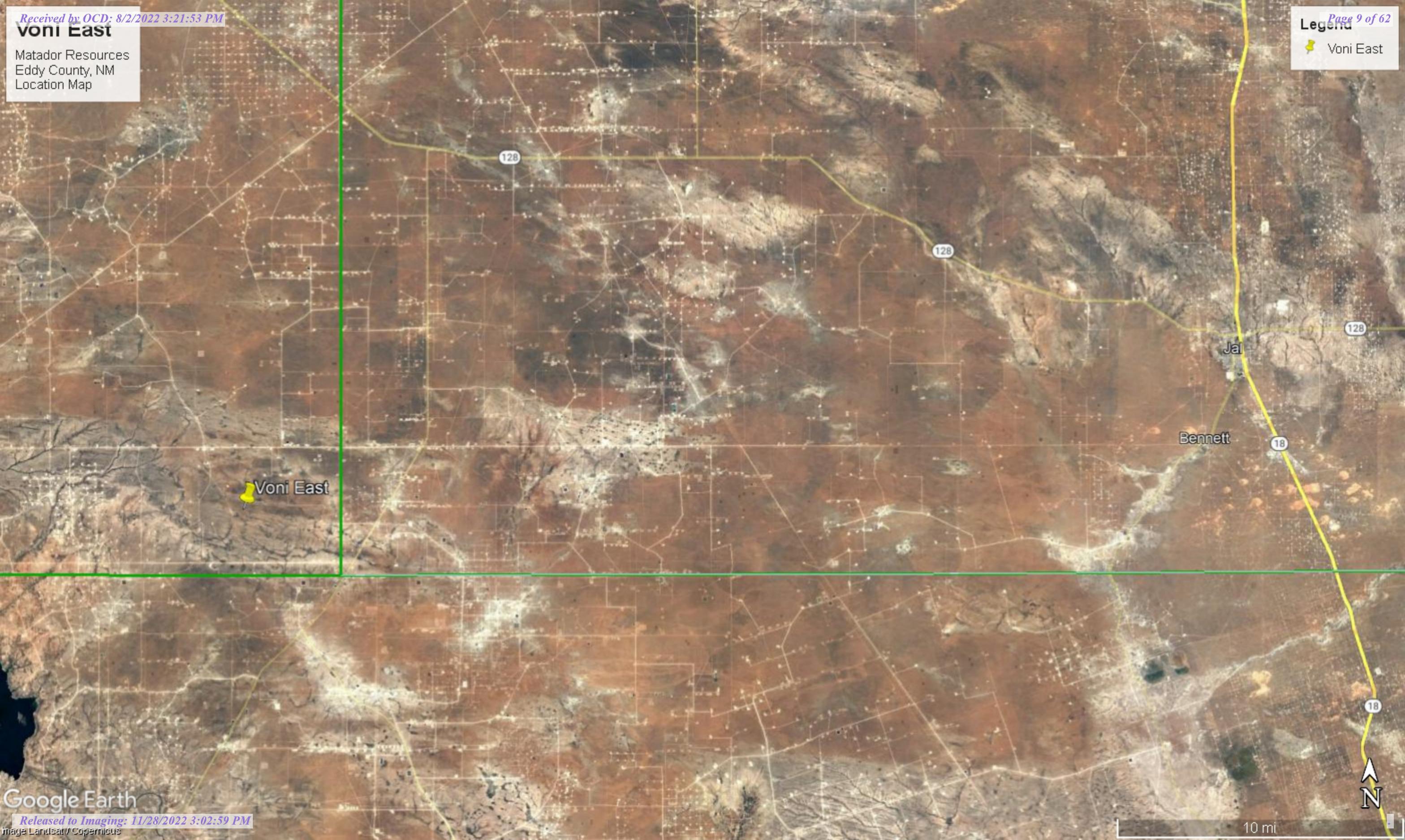
### Site Maps

# Voni East

Matador Resources  
Eddy County, NM  
Location Map

## Legend

 Voni East

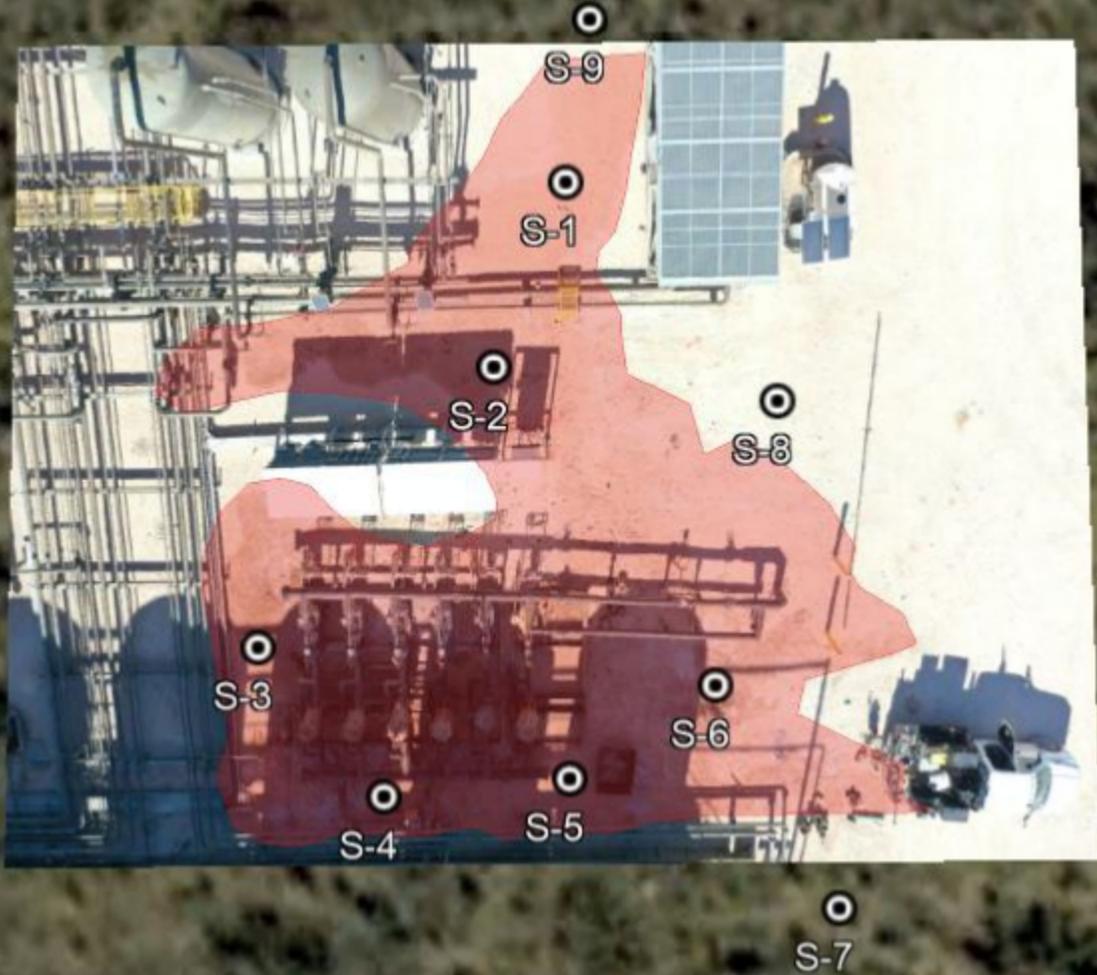


# Voni East

Matador Resources  
Eddy County, NM  
Site Assessment Map

**Legend**

- Sample Point
- Spill Area



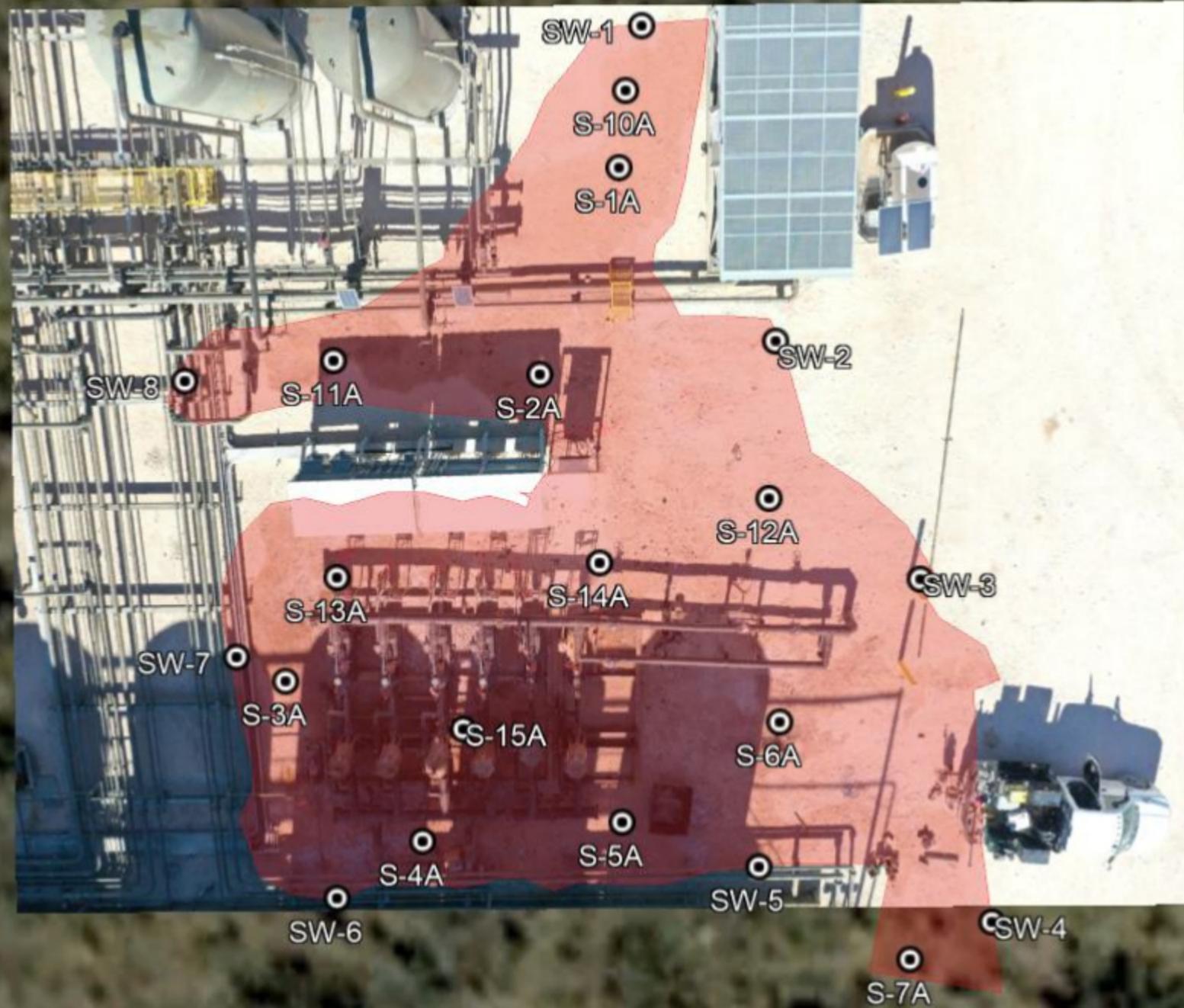
60 ft

# Voni East

Matador Resources  
Eddy County, NM  
Confirmation Sample Map

-  Excavation
-  Sample Position
-  Voni East

 Voni East



40 ft

# Matador Production Company

Voni East Fed Tank Battery  
Eddy County, NM  
Incident no. nAPP2202659785

Karst Map

**Legend**

-  High
-  Low
-  Medium
-  Voni East Fed Tank Battery

 Voni East Fed Tank Battery



200 ft

# National Flood Hazard Layer FIRMette



103°47'6"W 32°2'16"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/29/2022 at 12:11 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

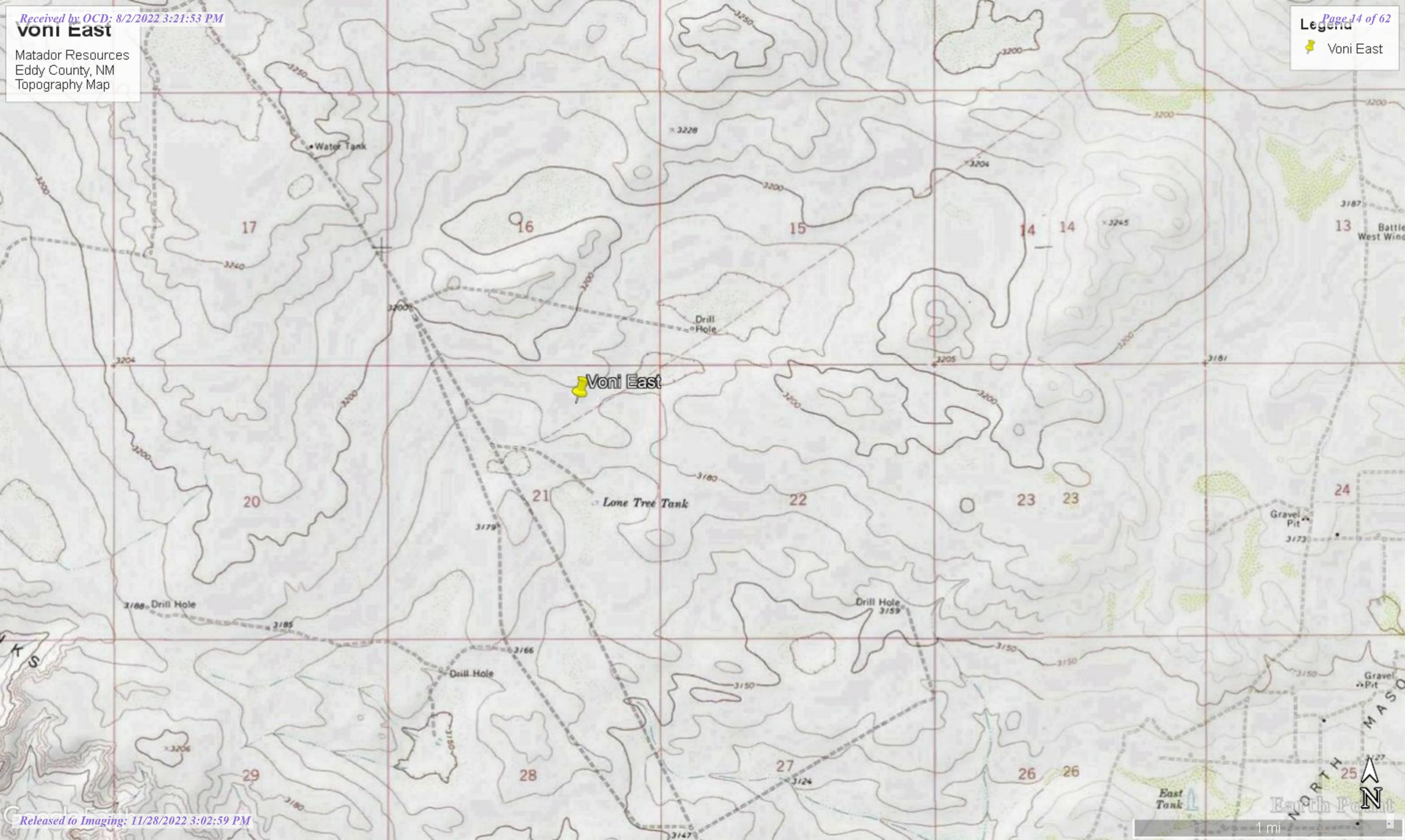
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

# Voni East

Matador Resources  
Eddy County, NM  
Topography Map

**Legend**

- Voni East





## Appendix II

### Groundwater Data, & Soil Survey



# 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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 01777</a>	C	ED					08	26S	31E	613245	3547409*	3295	325	300	25
<a href="#">C 02248</a>	CUB	ED	1	2	3	08	26S	31E	612942	3547316*	3414	300	292	8	
<a href="#">C 02249</a>	CUB	ED	1	2	3	08	26S	31E	612942	3547316*	3414	300	292	8	
<a href="#">C 02165</a>	C	ED				24	26S	30E	610036	3544121*	5215	440	180	260	
<a href="#">C 02090</a>	C	ED		4	4	01	26S	31E	620329	3548533*	6355	350	335	15	
<a href="#">C 03639 POD1</a>	CUB	ED	3	4	2	01	26S	31E	620168	3549279	6705	700	365	335	
<a href="#">C 04209 POD2</a>	C	LE	2	3	3	06	26S	32E	620818	3548657	6825	340	155	185	
<a href="#">C 04256 POD1</a>	C	ED	4	4	2	01	26S	31E	620384	3549257	6851	666	340	326	
<a href="#">C 04209 POD1</a>	CUB	LE	2	3	3	06	26S	32E	620903	3548619	6874	360	155	205	
<a href="#">C 03554 POD1</a>	CUB	ED	2	1	4	01	26S	31E	620547	3549148	6906	630	300	330	
<a href="#">C 03829 POD1</a>	CUB	LE	3	3	1	06	26S	32E	620628	3549186	6992	646	350	296	

Average Depth to Water: **278 feet**  
 Minimum Depth: **155 feet**  
 Maximum Depth: **365 feet**

**Record Count:** 11

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 615211.16

**Northing (Y):** 3544764.61

**Radius:** 7000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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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)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	03639 POD1	3	4	2	01	26S	31E	620168	3549279

<b>Driller License:</b> 1654	<b>Driller Company:</b> NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
<b>Driller Name:</b>			
<b>Drill Start Date:</b> 09/23/2013	<b>Drill Finish Date:</b> 09/25/2013	<b>Plug Date:</b>	
<b>Log File Date:</b> 10/25/2013	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>	
<b>Casing Size:</b> 6.00		<b>Depth Well:</b> 700 feet	
		<b>Depth Water:</b> 365 feet	

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	560	600	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>	
	600	660	

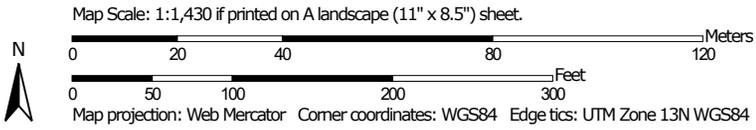
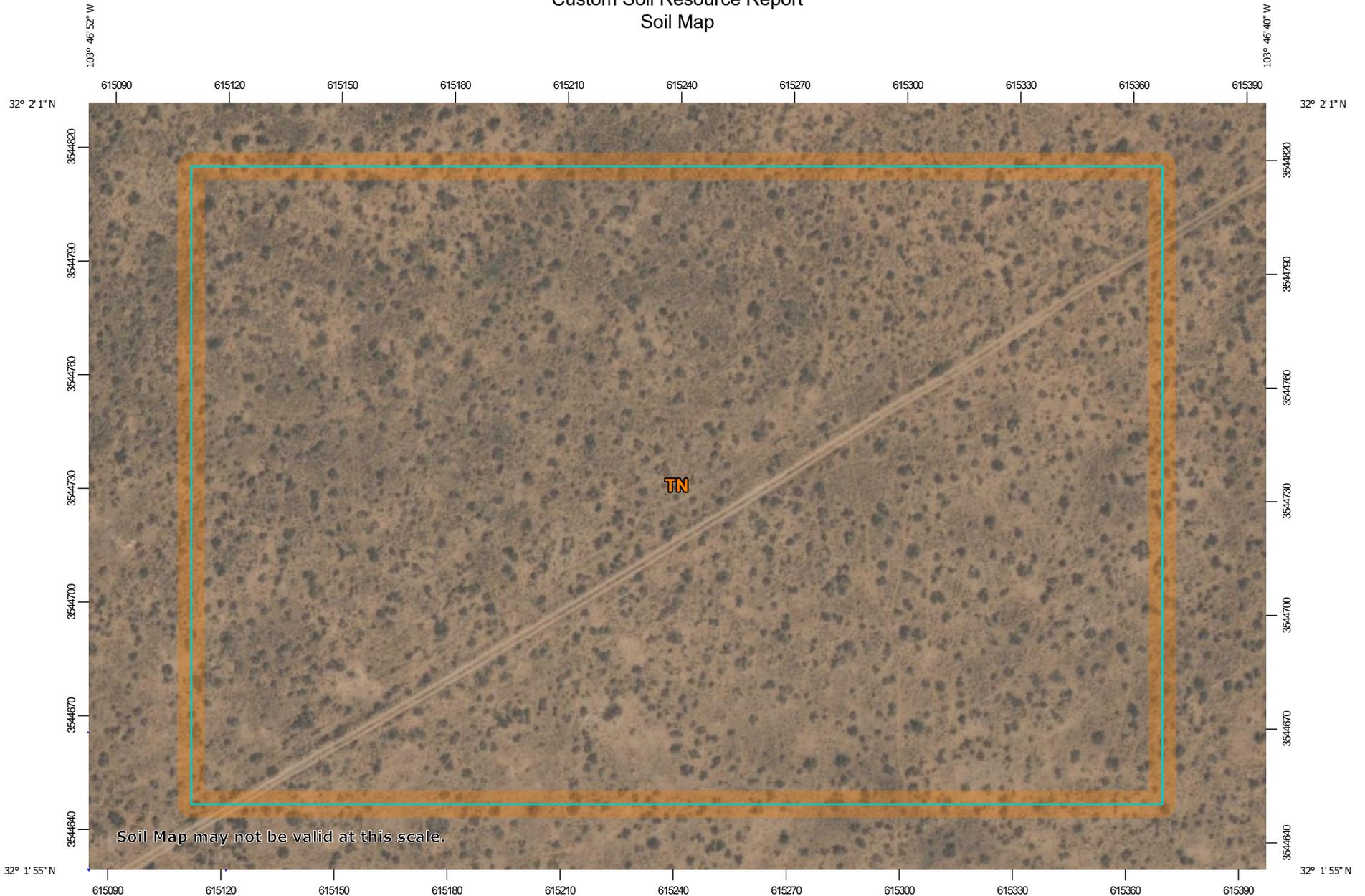
<b>Meter Number:</b> 16575	<b>Meter Make:</b> MASTERMETER		
<b>Meter Serial Number:</b> 8827642	<b>Meter Multiplier:</b> 100.0000		
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion		
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>		
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>		

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

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/26/2013	2013	4487	A	RPT		0
04/01/2014	2014	15593	A	RPT		3.408
07/01/2014	2014	27654	A	RPT		3.701
10/01/2014	2014	43114	A	RPT		4.744
12/31/2014	2014	54047	A	RPT		3.355
02/01/2015	2015	55287	A	RPT		0.381
03/02/2015	2015	56670	A	RPT		0.424
04/02/2015	2015	60341	A	RPT		1.127
04/30/2015	2015	65590	A	RPT		1.611
05/31/2015	2015	71252	A	RPT		1.738
07/01/2015	2015	74451	A	RPT		0.982
08/01/2015	2015	77975	A	RPT		1.081
08/31/2015	2015	82253	A	RPT		1.313
10/01/2015	2015	86369	A	RPT		1.263

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2013	0
	2014	15.208
	2015	9.920

### Custom Soil Resource Report Soil Map



## Custom Soil Resource Report

**Eddy Area, New Mexico****TN—Tonuco loamy fine sand, 0 to 3 percent slopes, eroded****Map Unit Setting**

*National map unit symbol:* 1w62  
*Elevation:* 3,000 to 4,100 feet  
*Mean annual precipitation:* 10 to 14 inches  
*Mean annual air temperature:* 60 to 64 degrees F  
*Frost-free period:* 200 to 217 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Tonuco and similar soils:* 98 percent  
*Minor components:* 2 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Tonuco****Setting**

*Landform:* Plains, alluvial fans  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

**Typical profile**

*H1 - 0 to 5 inches:* loamy fine sand  
*H2 - 5 to 15 inches:* loamy fine sand  
*H3 - 15 to 19 inches:* indurated

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* 6 to 20 inches to petrocalcic  
*Drainage class:* Excessively drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 1.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* R042XC004NM - Sandy  
*Hydric soil rating:* No

**Minor Components****Tonuco**

*Percent of map unit:* 1 percent

Custom Soil Resource Report

*Ecological site:* R042XC004NM - Sandy  
*Hydric soil rating:* No

**Dune land**

*Percent of map unit:* 1 percent  
*Hydric soil rating:* No

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The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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POINT OF DIVERSION SUMMARY



## Appendix III

### Photographic Documentation



**Photograph No.1 Description:**

Aerial of spill area at source.



**Photograph No.2 Description:**

Aerial of spill area around electrical units.



**Photograph No.3 Description:**

Aerial of excavation at source.



**Photograph No.4 Description:**

Aerial of excavation around electrical units.



**Photograph No.5 Description:**

Backfill at source and returned to grade.



**Photograph No.6 Description:**

North side backfilled and restored to grade.



**Photograph No.5 Description:**

Backfill north side of electrical units



**Photograph No.6 Description:**

Backfill south side of electrical units



## Appendix IV

### Laboratory Data



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

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March 30, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VONI EAST

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 16:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 1 A 2' (H221203-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/30/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 6 A 3' (H221203-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/30/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 7 A 3' (H221203-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/30/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/30/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/30/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/30/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 11 A 3' (H221203-04)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 12 A 3' (H221203-05)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 13 A 3' (H221203-06)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 14 A 3' (H221203-07)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 1 A (H221203-08)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64		
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 95.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 2 A (H221203-09)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64		
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 3 A (H221203-10)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	189	94.6	200	4.64	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	183	91.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 4 A (H221203-11)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 5 A (H221203-12)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 6 A (H221203-13)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 7 A (H221203-14)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: SW 8 A (H221203-15)**

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12		
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99		
Total BTEX	<0.300	0.300	03/29/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96		
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90		
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND						

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	** (See Notes)
Project Number:	702520.016.01 CTB	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 10 A 3' (H221203-16)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.02	101	2.00	6.12	
Toluene*	<0.050	0.050	03/29/2022	ND	2.00	99.9	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.99	99.4	2.00	5.92	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.15	102	6.00	5.99	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	186	93.2	200	6.96	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	179	89.5	200	5.90	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



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

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

Company Name: Talon LPE P.O. #: BILLIO ANALYSIS REQUEST

Project Manager: \_\_\_\_\_  
 Address: 408 W. Texas Ave City: Artesia State: NM zip: 88210  
 Phone #: 575.746.8768 Fax #: \_\_\_\_\_  
 Project #: 162520.014.01 Project Owner: \_\_\_\_\_  
 Project Name: VOLU EAST CTB City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: EDDY Phone #: \_\_\_\_\_  
 Sampler Name: A. Brown Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H221203	3.1A 2'									3/25	10:15	CL FB BTAP TPH
	3.10A 3'										10:20	
	3.7A 3'										10:25	
	3.11A.3'										10:30	
	3.12A 3'										10:38	
	3.13A 3'										10:40	
	3.14A 3'										10:46	
	5W.1A.										1:00	
	5W 2A										1:05	
	5W 3A										1:10	

PLEASE NOTE: Liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 3/25/22 Received By: [Signature]  
 Time: \_\_\_\_\_  
 Date: 10/21 Received By: [Signature]  
 Time: \_\_\_\_\_

Delivered By: (Circle One) 25.52 20-0.58 Sample Condition:  Cool  Intact  
 Sampler - UPS - Bus - Other: 25C #113  Yes  No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

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

Company Name: Talon LPE

**BILL TO**

ANALYSIS REQUEST

Project Manager:  
 Address: 408 W. Texas Ave  
 City: Artesia State: NM zip: 88210

Phone #: 575.746.8768 Fax #:  
 Project #: 702520.D14.01 Project Owner:

Project Name: 1011 EKR CTB

Project Location: EDDY

Sampler Name: A. Payne

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H22203	SW-4A		1						3/25	1:16	CL BTL TAL	
	SW-5A		1							1:20		
	SW-6A		1							1:25		
	SW-7A		1							1:30		
	SW-8A		1							1:35		
	S-10A @ 3'		1							10:30		

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Relinquished By: *[Signature]*  
 Date: 3/25/22  
 Received By: *[Signature]*  
 Date: 3/25/22

Delivered By: (Circle One) 25.50 JC-O.50  
 Sampler - UPS - Bus - Other: 25.50  
 Sample Condition:  Cool  Intact  
 Checked By: *[Signature]*

REMARKS:  Yes  No  
 Add'l Phone #:   
 Add'l Fax #:   
 Email Results R. P. Bus CTB@talonlpe.com  
 SCARLES@TALONLPE.COM  
 AS.PAYNE@TALONLPE.COM

2 of 2



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

---

April 04, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: VONI EAST

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 13:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 2 A 2' (H221272-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55		
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81		
Total BTEX	<0.300	0.300	04/01/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/01/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60		
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11		
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND						

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 5 A 2' (H221272-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55	
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81	
Total BTEX	<0.300	0.300	04/01/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 3 A 5' (H221272-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55	
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81	
Total BTEX	<0.300	0.300	04/01/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 16 3' (H221272-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55	
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81	
Total BTEX	<0.300	0.300	04/01/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	03/30/2022	Sampling Date:	03/23/2022
Reported:	04/04/2022	Sampling Type:	Soil
Project Name:	VONI EAST	Sampling Condition:	Cool & Intact
Project Number:	702520.016.01	Sample Received By:	Tamara Oldaker
Project Location:	MATADOR - EDDY CO NM		

**Sample ID: S - 4 A 3' (H221272-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	1.93	96.4	2.00	4.55	
Toluene*	<0.050	0.050	04/01/2022	ND	1.96	97.9	2.00	4.05	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	1.89	94.3	2.00	3.13	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	5.89	98.2	6.00	1.81	
Total BTEX	<0.300	0.300	04/01/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/01/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2022	ND	194	97.0	200	4.60	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	211	105	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

Company Name: <b>Talon IPE</b>		<b>BILL TO</b>	
Project Manager: <b>Rebecca Pons</b>	P.O. #:	ANALYSIS REQUEST	
Address: <b>408 W. Texas Ave</b>	Company:		
City: <b>Artesia</b>	Attn:		
State: <b>NM</b>	Address:		
Zip: <b>88210</b>	City:		
Phone #: <b>575.746.8768</b>	State:		
Fax #: _____	Zip:		
Project #: <b>703520, 016.01</b>	Project Owner: <b>Mattador</b>		
Project Name: <b>Voni East TB</b>	Project Location: <b>Eddy Co. NM</b>		
Project Location: <b>Eddy Co. NM</b>	Sample Name: <b>K-Taylor</b>		
FOR LAB USE ONLY			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H2A1A72	1 S-2 A 2'	A	1							3-23-22	1310	X	X	X
	2 S-5 A 2'	A	1								1320	X	X	X
	3 S-3 A 5'	A	1								1435	X	X	X
	4 S-16 3'	A	1								1420	X	X	X
	5 S-4A 3'	A	1								1420	X	X	X

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Relinquished By: <b>Raula Joseph</b>	Date: <b>3-30-22</b>	Time: <b>1:35</b>	Received By: <b>James Carnes</b>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: <b>2.4</b>	Corrected Temp. °C: <b>1.9</b>	Sample Condition Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Checked By: <b>JP</b>	Thermometer ID #113	Correction Factor -0.5°C	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Remarks: <b>Email Rebecca Pons, James Carnes</b>	Turnaround Time:	Bacteria (only) Sample Condition Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C: _____
Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____	Corrected Temp. °C: _____	



## Appendix V

NMOCD

C-141

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

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

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

Incident ID	nAPP2202659785
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Matador Production Company	OGRID: 228937
Contact Name: Arsenio T. Jones	Contact Telephone: 575-361-4333
Contact email: arsenio.jones@matadorresources.com	Incident # (assigned by OCD: nAPP2202659785)
Contact mailing address: One Lincoln Centre Dallas, TX 75240	

### Location of Release Source

Latitude 32.033226 Longitude -103.779797 (location of source)  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: Voni East Fed Tank Battery	Site Type: CTB
Date Release Discovered: 01-23-22	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	21	26S	31E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 78 bbls	Volume Recovered (bbls) 10bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

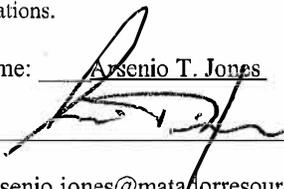
Cause of Release:  
Header Valve on the SWD pump failed causing the release. Spill Calculations are attached.

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The volume of release >25 bbl
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was provided to the NMOCD on 01/26/2022 by Arsenio Jones of Matador (online).	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  _____ _____ _____
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Arsenio T. Jones</u> Title: <u>Regulatory, Environmental and Safety Specialist</u> Signature:  Date: <u>1/27/2022</u> email: <u>arsenio.jones@matadorresources.com</u> Telephone: <u>575-361-4333</u>
<b><u>OCD Only</u></b> Received by: <u>Ramona Marcus</u> Date: <u>2/7/2022</u>

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

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

<b>Characterization Report Checklist:</b> <i>Each of the following items must be included in the report.</i>
<input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<input checked="" type="checkbox"/> Field data
<input checked="" type="checkbox"/> Data table of soil contaminant concentration data
<input checked="" type="checkbox"/> Depth to water determination
<input checked="" type="checkbox"/> Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
<input type="checkbox"/> Boring or excavation logs
<input checked="" type="checkbox"/> Photographs including date and GIS information
<input checked="" type="checkbox"/> Topographic/Aerial maps
<input checked="" type="checkbox"/> 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.

Form C-141

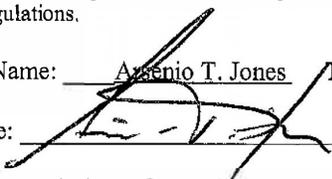
State of New Mexico  
Oil Conservation Division

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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: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature:  Date: 1/27/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

**OCD Only**

Received by: Jocelyn Harimon Date: 08/02/2022

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## Remediation Plan

**Remediation Plan Checklist:** Each of the following items must be included in the plan.

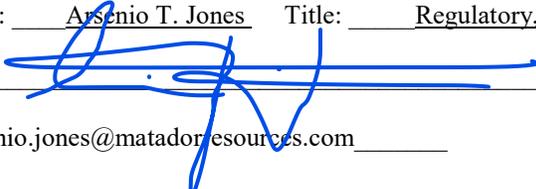
- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist

Signature:  Date: 8/1/2022

email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

**OCD Only**

Received by: Jocelyn Harimon Date: 08/02/2022

- Approved     
 Approved with Attached Conditions of Approval     
 Denied     
 Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

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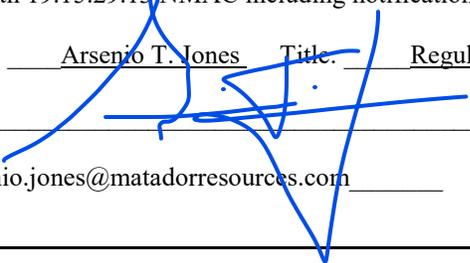
## Closure

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: Arsenio T. Jones Title: Regulatory, Environmental and Safety Specialist  
 Signature:  Date: 8/1/2022  
 email: arsenio.jones@matadorresources.com Telephone: 575-361-4333

**OCD Only**

Received by: Jocelyn Harimon Date: 08/02/2022

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: Jocelyn Harimon  Date: 11/28/2022

Printed Name: Jocelyn Harimon Title: Environmental Specialist

## Rebecca Pons

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**From:** Rebecca Pons  
**Sent:** Wednesday, March 23, 2022 2:50 PM  
**To:** Enviro, OCD, EMNRD; Arsenio Jones  
**Subject:** Incident No. NAPP2202659785

Good Afternoon,  
Please accept this email as notification of the 48 hour confirmation sampling event for the Voni East Fed Tank Battery. Talon personnel will be on site Friday March 25, 2022 for the sampling event.

Respectfully,

*Rebecca Pons*

**Rebecca Pons**  
**Senior Environmental Project Manager**  
Office: 575.746.8768 x708  
Direct: 575.616.4023  
Cell: 575.441.0980  
Fax: 575.746.8905  
Emergency: 866.742.0742  
Web: [www.talonlpe.com](http://www.talonlpe.com)



**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 130824

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 130824
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	11/28/2022