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TALON LPE

Closure Report

Malaga SWD #004
Eddy County, New Mexico
API ID # 30-015-44514
Incident # NAPP2319477477

Prepared For:

Matador Resources
5347 N. 26th Street 2nd Floor.
Artesia, NM 88210

Prepared By:

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

August 30, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Malaga SWD #004
Eddy County, New Mexico
API # 30-015-44514
Incident # NAPP2319477477

To Whom It May Concern,

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

Site Information

The Malaga SWD #004 is located approximately 1 mile northeast of Malaga, New Mexico. The legal location for this release is Unit Letter E, Section 11, Township 24 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.23456 and -104.065378. 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 comprised of Reeves loam, 0 to 1 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 Eolian and Piedmont deposits, Holocene to middle Pleistocene in age.

Groundwater and Site Characterization

Based on the New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 20 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. The FEMA Flood Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. See Appendix II for the site characterization data.

Approximate Depth to Groundwater	**20 feet bgs**

☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒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
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒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
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I
Closure Criteria for Soils Impacted by a Release

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 July 13, 2023, Matador personnel reported a produced water spill. The C-141 submitted to the NMOCD, incident number NAPP2319477477, stated a hole was noted in a fitting, resulting in the release of fifty-four barrels (bbls) of crude oil was released to the site and 0 bbls recovered. The site map is presented in Appendix I.

Site Assessment

On August 8th, 2023, Talon personnel mobilized to the site to conduct an initial site assessment. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories with the chain of custody for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and volatile Organics (BTEX, 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 1
Initial Site Assessment

Malaga SWD #004									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/8/23	1'	ND	ND	ND	ND	ND	0	256
	8/8/23	2'	ND	ND	ND	ND	ND	0	688
	8/8/23	3'	ND	ND	ND	ND	ND	0	400
	8/8/23	4'	ND	ND	ND	ND	ND	0	256
S-2	8/8/23	1'	ND	ND	ND	ND	ND	0	528
S-3	8/8/23	1'	ND	ND	ND	ND	ND	0	208
S-4	8/8/23	1'	ND	ND	ND	ND	ND	0	112
S-5	8/8/23	1'	ND	ND	ND	ND	ND	0	176
S-6	8/8/23	1'	ND	ND	ND	ND	ND	0	256
S-7	8/8/23	1'	ND	ND	ND	ND	ND	0	5120
	8/8/23	2'	ND	ND	ND	ND	ND	0	8260
S-8	8/8/23	1'	ND	ND	ND	ND	ND	0	10400
	8/8/23	2'	ND	ND	ND	ND	ND	0	3920
	8/8/23	2.5R	ND	ND	ND	ND	ND	0	288

NOTES:	
BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
R	Refusal
ND	Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remediation Activities

On August 31, 2023, Talon personnel returned to location to remove impacted soils. Backhoe was used to excavate 6 feet bgs. of contaminated soils and confimation samples were collected. The samples were transported with the chain of custody to Envirotech Laboratories, for analysis of Total Chlorides (EPA 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

The soil sample results from the laboratory analytical are summarized in the data table below. Sample locations are illustrated on Figure 2 in Appendix I and complete laboratory analytical reports are presented in Appendix V.

Table 2
Composite Sampling

Malaga SWD #004									
Sample ID	**Sample Date**	**Depth (BGS)**	**Benzene mg/kg**	**BTEX mg/kg**	**GRO mg/kg**	**DRO mg/kg**	**MRO mg/kg**	**Total TPH mg/kg**	**Chlorides mg/kg**
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			**10 mg/kg**	**50 mg/kg**	**DRO + GRO + MRO combined = 100 mg/kg**			**100 mg/kg**	**600 mg/kg**
C-1	8/31/23	6'	ND	ND	ND	ND	ND	0	325
C-2	8/31/23	6'	ND	ND	ND	ND	ND	0	389
C-3	8/31/23	6'	ND	ND	ND	ND	ND	0	267
C-4	8/31/23	6'	ND	ND	ND	ND	ND	0	219
C-5	8/31/23	6'	ND	ND	ND	ND	ND	0	364
C-6	8/31/23	6'	ND	ND	ND	ND	ND	0	329
SW-1	8/31/23	0-6'	ND	ND	ND	ND	ND	0	272
SW-2	8/31/23	0-6'	ND	ND	ND	ND	ND	0	306
SW-3	8/31/23	0-6'	ND	ND	ND	ND	ND	0	323
SW-4	8/31/23	0-6'	ND	ND	ND	ND	ND	0	281
SW-5	8/31/23	0-6'	ND	ND	ND	ND	ND	0	280

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
C	Confirmation Sample
SW	Sidewall Sample
ND	Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Remedial Action Summary

- The impacted areas in pasture were excavated to depth of 6 feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all areas had reached NMOCD closure criteria.
- The excavated areas were backfilled with new like material (topsoil), machine compacted, and contoured to match the surrounding location.
- Copies of the Final C-141s are presented in Appendix III.
- Photographic documentation is provided in Appendix IV.

Closure

On behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE

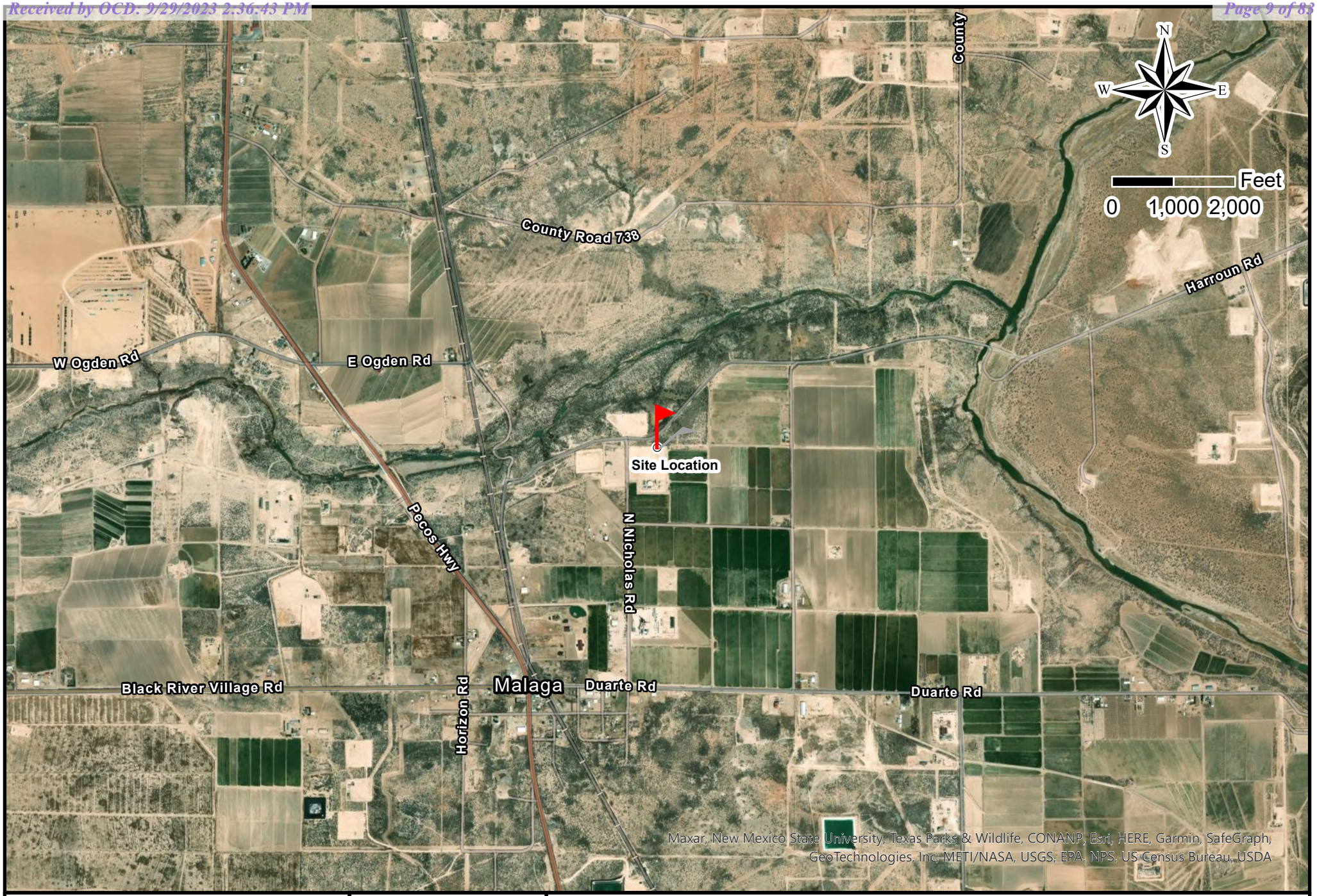
Chad Hensley
Project Manager

Attachments:

Appendix I Site Maps
Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
Appendix III C-141 Form
Appendix IV Photographic Documentation
Appendix V Laboratory Report

Appendix I

Site Maps



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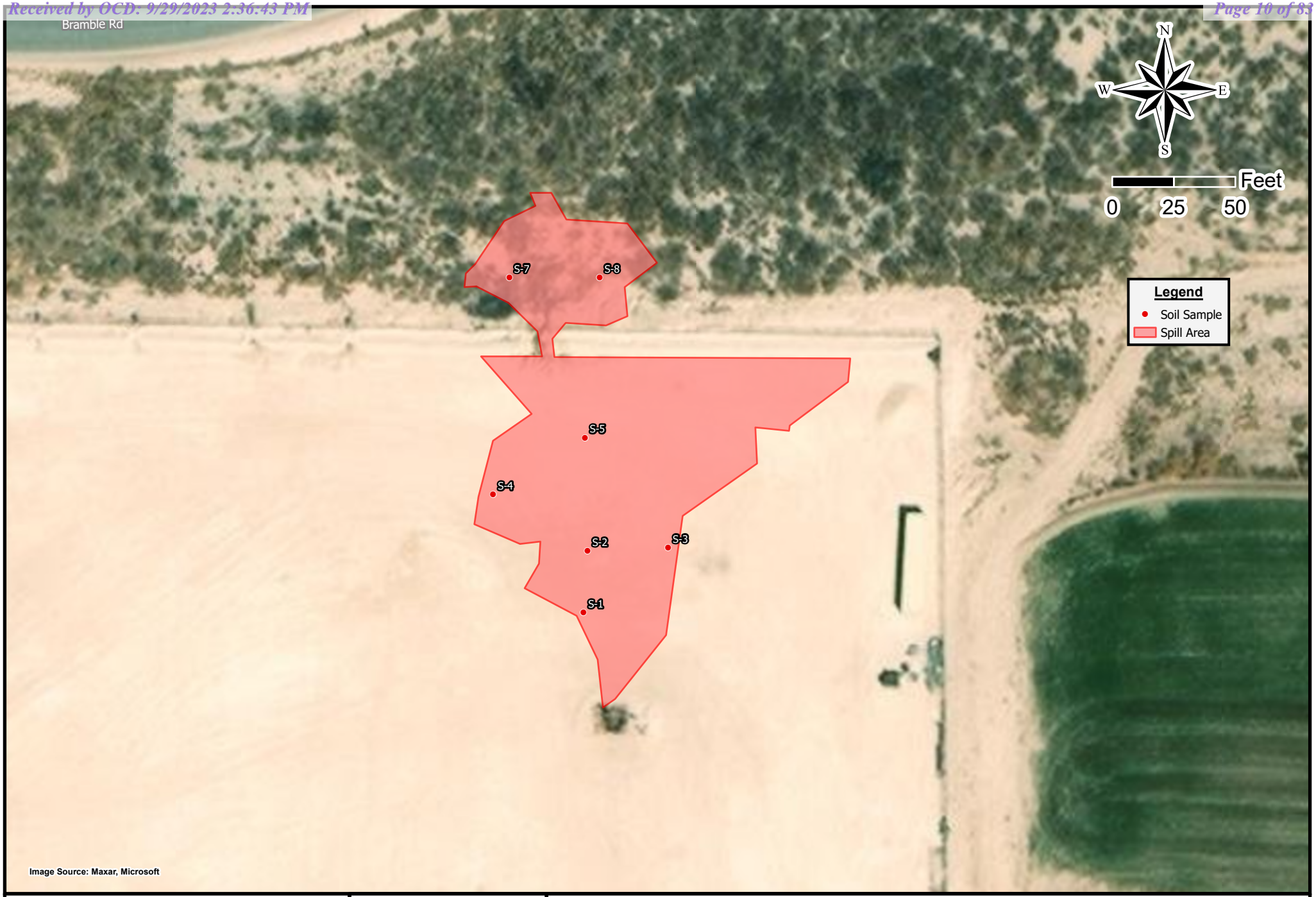
Drafted: 9/25/2023
1 in = 2,000 ft
Drafted By: IJR

Matador Resources Company
Malaga SWD #04
Eddy County, NM
Site Location Map



TALON LPE

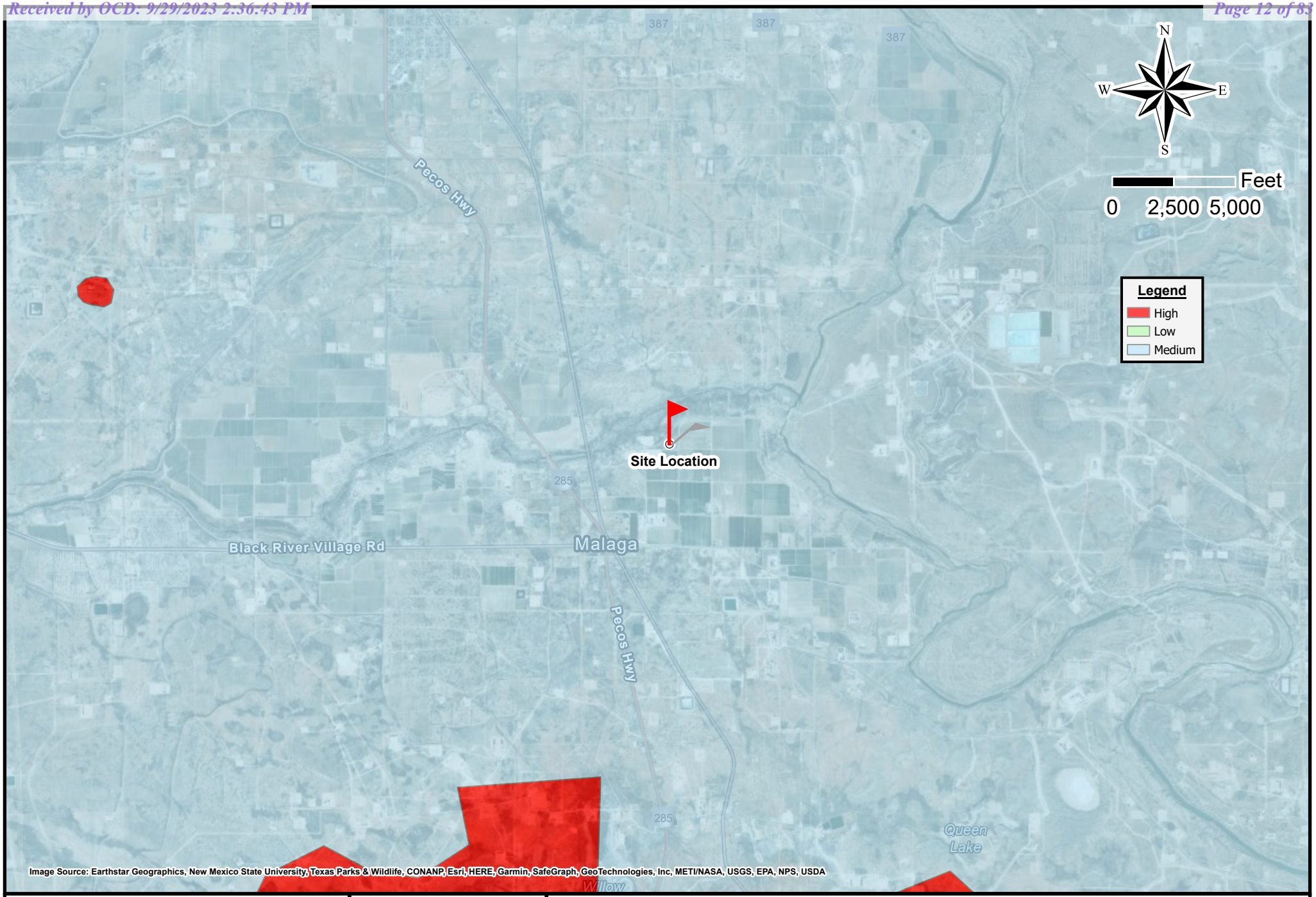
Drafted: 9/25/2023
1 in = 50 ft
Drafted By: IJR

Matador Resources Company Malaga
SWD #04
Eddy County, NM
Figure 1 - Assessment Map

TALON LPE

Drafted: 9/25/2023
1 in = 50 ft
Drafted By: IJR

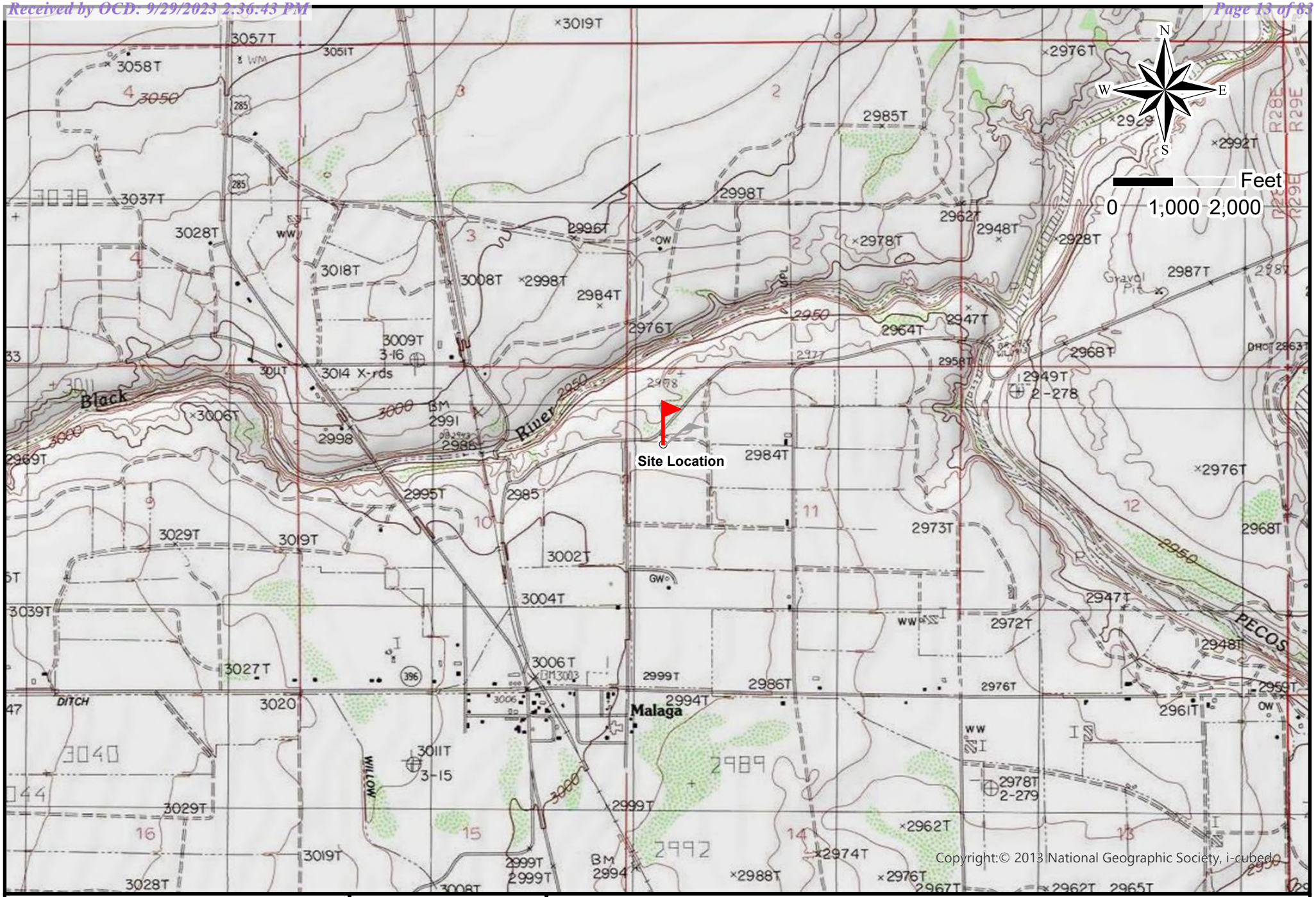
Matador Resources Company
Malaga SWD #04
Eddy County, NM
Figure 2 - Excavation Map



TALON LPE

Drafted: 9/25/2023
1 in = 5,000 ft
Drafted By: IJR

Matador Resources Company
Malaga SWD #04
Eddy County, NM
Karst Map



TALON LPE

Drafted: 9/25/2023
1 in = 2,000 ft
Drafted By: IJR

Matador Resources Company
Malaga SWD #04
Eddy County, NM
Topographic Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01082		CUB	ED	3	3	2	11	24S	28E	588832	3566693*	785	120		
C 01442		C	ED		1	2	10	24S	28E	587298	3567199*	848	100		
C 01237		C	ED	1	1	2	10	24S	28E	587197	3567298*	984	123		
C 02524 POD2		C	ED	2	2	2	15	24S	28E	587814	3565690*	1154	90	11	79
C 00890		CUB	ED	3	3	4	10	24S	28E	587211	3565897*	1250	50		
C 00511		C	ED		2	3	02	24S	28E	588518	3568001*	1269	268	140	128
C 00346		C	ED		2	2	15	24S	28E	587715	3565591*	1274	90	32	58
C 00488		C	ED	2	1	2	15	24S	28E	587412	3565688*	1301	64	8	56
C 04337 POD1		CUB	ED	4	1	4	03	24S	28E	587317	3567907	1316	60		
C 04382 POD1		CUB	ED	2	1	2	15	24S	28E	587401	3565647	1341	48	35	13
C 04383 POD1		CUB	ED	4	1	2	15	24S	28E	587389	3565499	1478	34	19	15
C 00574		CUB	ED	2	4	4	11	24S	28E	589452	3566081*	1578	200	20	180
C 00570		CUB	ED		1	1	10	24S	28E	586490	3567195*	1610	100	28	72
C 00764		CUB	ED	3	1	3	10	24S	28E	586399	3566292*	1738	118	25	93
C 03862 POD2		CUB	ED	3	3	3	01	24S	28E	589665	3567507	1749	30	10	20
C 03862 POD1		CUB	ED	3	3	3	01	24S	28E	589672	3567505	1756	17	10	7
C 00962		C	ED		3	3	10	24S	28E	586505	3565992*	1757	63	9	54
C 03862 POD3		CUB	ED	3	3	3	01	24S	28E	589685	3567500	1765	60	10	50

C 03862 POD4	CUB	ED	3	3	3	01	24S	28E	589705	3567490	1780	30	10	20
C 03862 POD5	CUB	ED	4	3	3	01	24S	28E	589785	3567458	1843	17	10	7
C 03132	C	ED	1	2	4	15	24S	28E	587616	3564877*	1990	90	19	71

Average Depth to Water: **24 feet**

Minimum Depth: **8 feet**

Maximum Depth: **140 feet**

Record Count: 21

UTMNAD83 Radius Search (in meters):

Easting (X): 588056.26 **Northing (Y):** 3566818.48 **Radius:** 2000

***UTM location was derived from PLSS - see Help**

9/18/23 3:50 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

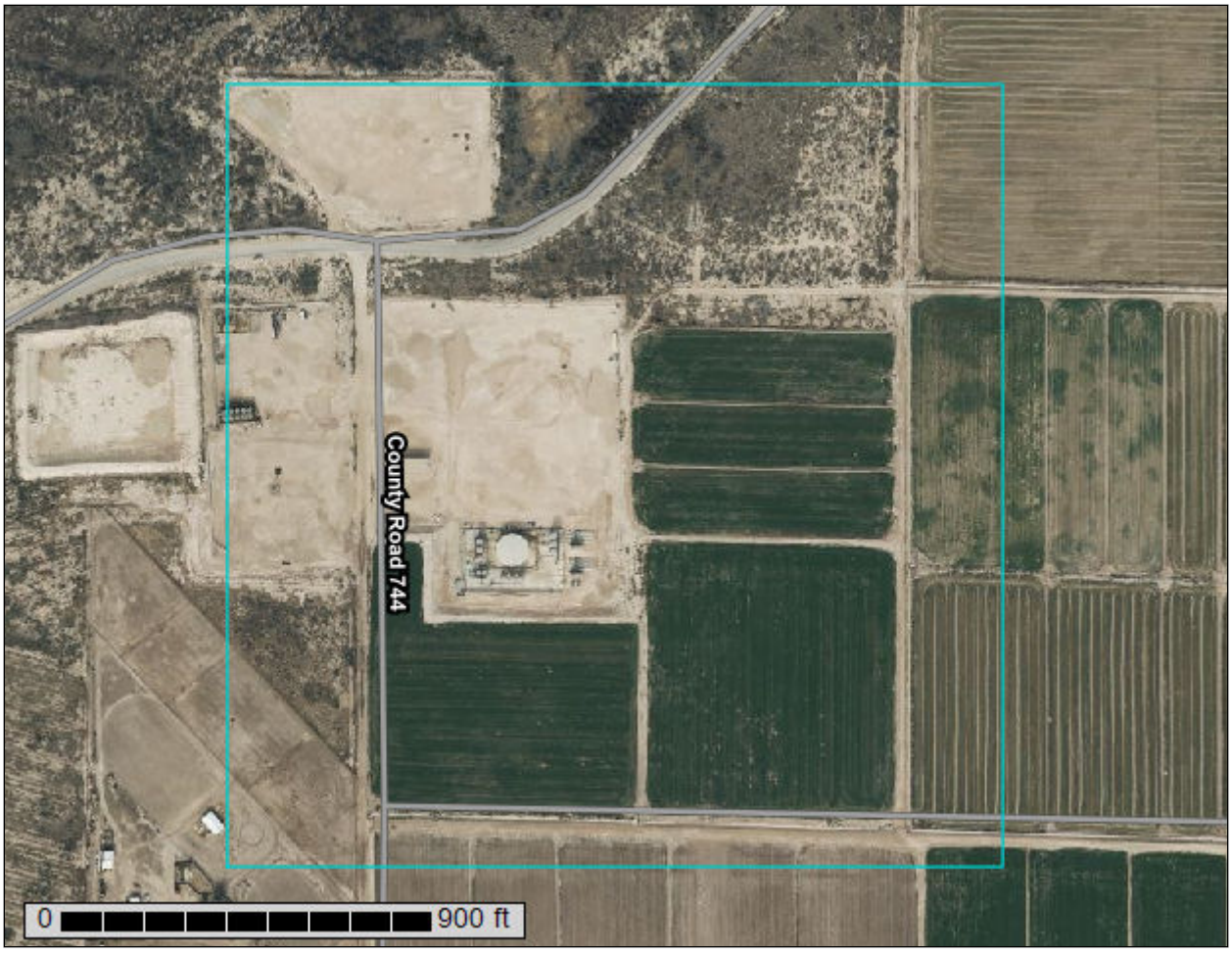
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico



September 18, 2023

Custom Soil Resource Report
Soil Map

Map Scale: 1:4,450 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atoka loam, 1 to 3 percent slopes	9.4	11.4%
Kr	Karro loam, 0 to 1 percent slopes	46.6	56.6%
Ku	Karro loam, 1 to 3 percent slopes	7.7	9.3%
Pe	Pima silt loam, 0 to 1 percent slopes	2.5	3.1%
Rd	Reagan loam, 1 to 3 percent slopes	0.1	0.1%
Rn	Reeves loam, 1 to 3 percent slopes	1.0	1.2%
Rt	Reeves loam, shallow, 0 to 1 percent slopes	15.1	18.3%
Totals for Area of Interest		**82.3**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit

descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

At—Atoka loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w41
Elevation: 1,100 to 4,300 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

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

Description of Atoka

Setting

Landform: Plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 33 inches: loam
H3 - 33 to 37 inches: indurated

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: 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
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 64 degrees F
Frost-free period: 200 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Riser, talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Ku—Karro loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4w
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 120 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

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

Description of Karro

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Riser, talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 90 inches: loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained

Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Minor Components

Karro

Percent of map unit: 1 percent
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Reeves

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Pe—Pima silt loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w58
Elevation: 600 to 4,200 feet
Mean annual precipitation: 8 to 25 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 195 to 290 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Pima

Setting

Landform: Flood plains, alluvial flats, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear

Across-slope shape: Linear, convex
Parent material: Alluvium

Typical profile
H1 - 0 to 3 inches: silt loam
H2 - 3 to 60 inches: silty clay loam

Properties and qualities
Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: RareNone
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 11.9 inches)

Interpretive groups
Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Minor Components

Reagan
Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Dev
Percent of map unit: 1 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Rd—Reagan loam, 1 to 3 percent slopes

Map Unit Setting
National map unit symbol: 1w5m
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

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

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Rn—Reeves loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5q
Elevation: 1,250 to 4,800 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 120 to 225 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

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

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

Ap - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: 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
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Karro
Percent of map unit: 1 percent
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Cottonwood
Percent of map unit: 1 percent
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Rt—Reeves loam, shallow, 0 to 1 percent slopes

Map Unit Setting
National map unit symbol: 1w5s
Elevation: 1,250 to 4,500 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 66 degrees F
Frost-free period: 200 to 225 days
Farmland classification: Farmland of statewide importance

Map Unit Composition
Reeves and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting
Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile
Ap - 0 to 18 inches: loam
H2 - 18 to 60 inches: gypsiferous material

Properties and qualities
Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well 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
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 2 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Cottonwood

Percent of map unit: 2 percent
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Reeves

Percent of map unit: 1 percent
Landform: Ridges, plains, hills, flood plains
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest, talf
Down-slope shape: Convex
Across-slope shape: Linear, convex
Ecological site: R070BC036NM - Salt Flats
Hydric soil rating: Yes

National Flood Hazard Layer FIRMette

FEMA

104°4'14"W 32°14'23"N

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

1:6,000

104°3'37"W 32°13'52"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 9/19/2023 at 12:55 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.

Appendix III

C-141 Forms

NMOCD Correspondence

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2319477477
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Matador Production Company	OGRID 228937
Contact Name Clinton Talley	Contact Telephone 337-319-8398
Contact email clinton.talley@matadorresources.com	Incident # *(assigned by OCD)* nAPP2319477477
Contact mailing address 5400 LBJ Freeway, Suite 1500 Dallas, Texas 75240	

Location of Release Source

Latitude 32.235718 Longitude -104.065378
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Malaga SWD #004	Site Type SWD
Date Release Discovered 7/13/2023	API# *(if applicable)* 30-015-44514

Unit Letter	Section	Township	Range	County
E	11	24S	28E	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 54	Volume Recovered (bbls) 0
	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)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Corrosion on fitting

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2319477477
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? >25 bbls

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Yes, by Clinton Talley through OCD portal Notice of Release at 9:24 PM

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 not 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: Clinton Talley Title: EHS Supervisor

Signature: Clint Talley Date: 7/19/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

OCD Only

Received by: Shelly Wells Date: 7/20/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2319477477
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?	20 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2319477477
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: Clinton Talley Title: EHS

Signature: Clint Talley Date: 9/29/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2319477477
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: Clinton Talley Title: EHS

Signature: Clint Talley Date: 9/29/2023

email: clinton.talley@matadorresources.com Telephone: 337-319-8398

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: _____ Date: _____

Printed Name: _____ Title: _____

From: Wells, Shelly, EMNRD
To: Chad Hensley
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Confirmation sampling event
Date: Tuesday, August 29, 2023 9:41:48 AM
Attachments: image001.png
image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Chad,

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

Thank you,

Shelly

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

From: Chad Hensley <chensley@talonlpe.com>
Sent: Tuesday, August 29, 2023 7:59 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: spills@slo.state.nm.us; Nathaniel Rose <nrose@talonlpe.com>
Subject: [EXTERNAL] Confirmation sampling event

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

Talon of behalf of Matador will be conducting a sampling event:

Site Name: MALAGA SWD #004
ID# NAPP2319477477
API: 30-015-44514
Sampling date: 8/31/23 10am
E-11-24S-28E
32.23546,-104.065378

Chad Hensley
Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023

Cell: 575.246.0032
Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**

At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

Appendix IV

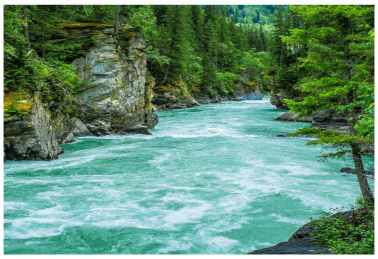
Photographic Documentation

Appendix V

Laboratory Reports

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Malaga 4
Work Order:	E309025
Job Number:	23042-0001
Received:	9/5/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/12/23

Date Reported: 9/12/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Malaga 4
Workorder: E309025
Date Received: 9/5/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Malaga 4.

The analytical test results summarized in this report with the Project Name: Malaga 4 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Talon LPE	Project Name:	Malaga 4	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 6'	E309025-01A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
C-2 6'	E309025-02A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
C-3 6'	E309025-03A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
C-4 6'	E309025-04A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
C-5 6'	E309025-05A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
C-6 6'	E309025-06A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
SW-1	E309025-07A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
SW-2	E309025-08A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
SW-3	E309025-09A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
SW-4	E309025-10A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
SW-5	E309025-11A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-1 6'

E309025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**325**	20.0	1	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-2 6'

E309025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**389**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-3 6'

E309025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/06/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/06/23	
Toluene	ND	0.0250	1	09/05/23	09/06/23	
o-Xylene	ND	0.0250	1	09/05/23	09/06/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/06/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/06/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*09/05/23*	*09/06/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**267**	20.0	1	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-4 6'

E309025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**219**	20.0	1	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-5 6'

E309025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**364**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

C-6 6'

E309025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**329**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

SW-1

E309025-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**272**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

SW-2

E309025-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**306**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

SW-3

E309025-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**323**	100	5	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

SW-4

E309025-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**281**	40.0	2	09/06/23	09/08/23	

Sample Data

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

SW-5

E309025-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336023
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**280**	20.0	1	09/06/23	09/08/23	

QC Summary Data

Talon LPE	Project Name:	Malaga 4	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336023-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2336023-BS1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	5.53	0.0250	5.00		111	70-130			
Ethylbenzene	5.50	0.0250	5.00		110	70-130			
Toluene	5.59	0.0250	5.00		112	70-130			
o-Xylene	5.53	0.0250	5.00		111	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2336023-MS1)				**Source: E309025-03**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.05	0.0250	5.00	ND	101	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike Dup (2336023-MSD1)				**Source: E309025-03**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	5.06	0.0250	5.00	ND	101	54-133	0.637	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	0.513	20	
Toluene	5.09	0.0250	5.00	ND	102	61-130	0.693	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	0.425	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.517	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	0.487	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Malaga 4	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336023-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*93.0*	*70-130*			
LCS (2336023-BS2)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike (2336023-MS2)				**Source: E309025-03**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2336023-MSD2)				**Source: E309025-03**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	6.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Malaga 4	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336060-BLK1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
LCS (2336060-BS1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*50-200*			
Matrix Spike (2336060-MS1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18200	1250	250	19500	NR	38-132			M4
Surrogate: n-Nonane	*46.7*		*50.0*		*93.3*	*50-200*			
Matrix Spike Dup (2336060-MSD1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18400	1250	250	19500	NR	38-132	1.36	20	M4
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Malaga 4	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:21:14PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336052-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336052-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2336052-MS1)				**Source: E309024-21**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	869	100	250	608	104	80-120			
Matrix Spike Dup (2336052-MSD1)				**Source: E309024-21**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	883	100	250	608	110	80-120	1.54	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Talon LPE	Project Name:	Malaga 4	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:21

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client: Talon LPE	Bill To
Project: Malaga 4	Attention:
Project Manager:	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only: Lab WO# E309025 | Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:01	8-31-23	soil	1	C-1 6'	1	X	X			X			
10:07				C-2	2								
10:11				C-3	3								
10:14				C-4	4								
1015				C-5	5								
1019				C-6	6								
1031				SW-1	7								
1036				SW-2	8								
1044				SW-3	9								
1049				SW-4	10								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/1/23	1820		9.1.23	1820
	9.1.23	1835	MRSO	9.1.23	1845
MRSO	9.2.23	0115	Caitlin Man	9/5/23	8:15

Lab Use Only: Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client: Talon LPE	Bill To
Project: Malaga 4	Attention:
Project Manager:	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only: Lab WO# E309025 | Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1650	8-31-23	soil	1	SW-5	11	X	X			X			

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/1/23	1820		9.1.23	1820
	9.1.23	1835		9.1.23	1845
	9.2.23	0115		9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/5/2023 1:04:47PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	09/05/23 08:15	Work Order ID:	E309025
Phone:	(575) 746-8768	Date Logged In:	09/05/23 10:31	Logged In By:	Caitlin Mars
Email:	chensley@talonlpe.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

CARDINAL Laboratories

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

August 16, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MATADOR MALAGA SWD #004

Enclosed are the results of analyses for samples received by the laboratory on 08/10/23 13:30.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 1 1' (H234306-01)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	08/14/2023	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 1 2' (H234306-02)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	08/14/2023	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 1 3' (H234306-03)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	08/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 1 4' (H234306-04)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	08/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *97.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 2 1' (H234306-05)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	08/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *94.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 3 1' (H234306-06)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *91.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 4 1' (H234306-07)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

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Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 5 1' (H234306-08)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *85.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.9 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 6 1' (H234306-09)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *87.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.7 %* *49.1-148*

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 7 1' (H234306-10)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5120**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *88.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 7 2' (H234306-11)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8260**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 8 1' (H234306-12)

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	08/15/2023	ND	2.01	101	2.00	0.732	
Toluene*	<0.050	0.050	08/15/2023	ND	1.91	95.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.96	97.8	2.00	0.213	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.88	98.1	6.00	0.294	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10400**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 8 2' (H234306-13)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.05	103	2.00	4.51	
Toluene*	<0.050	0.050	08/15/2023	ND	1.90	94.9	2.00	1.90	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.88	93.9	2.00	2.34	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.49	91.6	6.00	2.51	
Total BTEX	<0.300	0.300	08/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3920**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	172	86.0	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	165	82.3	200	0.217	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *94.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/10/2023	Sampling Date:	08/08/2023
Reported:	08/16/2023	Sampling Type:	Soil
Project Name:	MATADOR MALAGA SWD #004	Sampling Condition:	Cool & Intact
Project Number:	702520.067.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY		

Sample ID: S - 8 2.5' R (H234306-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.05	103	2.00	4.51	
Toluene*	<0.050	0.050	08/15/2023	ND	1.90	94.9	2.00	1.90	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	1.88	93.9	2.00	2.34	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	5.49	91.6	6.00	2.51	
Total BTEX	<0.300	0.300	08/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	08/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2023	ND	166	83.1	200	2.61	
DRO >C10-C28*	<10.0	10.0	08/14/2023	ND	185	92.3	200	0.458	
EXT DRO >C28-C36	<10.0	10.0	08/14/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	**BILL TO**
Project Manager: C. Hensley	P.O. #:
Address: 408 W. Texas Ave	Company:
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575.746.8768 Fax #:	Address:
Project #: 702520.067.01 Project Owner: Matador	City:
Project Name: MatadorMalagaSWD#004	State: Zip:
Project Location: Eddy	Phone #:
Sampler Name: N. Rose	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	BTEX	TPH
H234306																	
1	S-1 1'	G	1			✓							8/8/23	1010	✓	✓	
2	2'					✓								1013	✓	✓	
3	3'					✓								1014	✓	✓	✓
4	4'					✓								1018	✓	✓	✓
5	S-2 1'					✓								1120	✓	✓	✓
6	S-3 1'					✓								1131	✓	✓	✓
7	S-4 1'					✓								1144	✓	✓	✓
8	S-5 1'					✓								1158	✓	✓	✓
9	S-6 1'					✓								1215	✓	✓	✓
10	S-7 1'					✓								1221	✓	✓	✓

Relinquished By:	Date: 8/10/23	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1330		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: 1 of 2
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 29c #140		Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) SR

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	**BILL TO**
Project Manager: C. Hensley	P.O. #:
Address: 408 W. Texas Ave	Company:
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575.746.8768 Fax #:	Address:
Project #: 702520.067.01 Project Owner: Matador	City:
Project Name: MatadorMalagaSWD	State: Zip:
Project Location: EDDY	Phone #:
Sampler Name: N. Rose	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	BTEX	TPH
H234306 11	S-7 2'	G	1			✓							8/8/23	1236	✓	✓	✓
	~~2.5' R~~ C.I.H					✓								~~1244~~	✓	✓	✓
12	S-8 1'					✓								1251	✓	✓	✓
13	2'					✓								1259	✓	✓	✓
14	2.5' R					✓								1306	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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: 8/10/23 Time: 1330	Received By: S Rodriguez	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 2.9° #140	Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No	CHECKED BY: (Initials) SR	REMARKS: 2 of 2

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

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 270832

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 270832
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2319477477 MALAGA SWD #004, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc.., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/15/2024