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Closure Report

Mitchell SWD #2
Eddy County, New Mexico
API ID # 30-015-22242
Incident # nKMW0800235934, nSEB0813056099,
nSEB0826247749, nAB1526132368, nAB1529255081

Prepared For:

EOG Resources
104 S. 4th St.
Artesia, NM 88210

Prepared By:

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

June 28, 2023

**NMOCD**

506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Mitchell SWD # 2
Eddy County, New Mexico
API # 30-015-22242
Incident # nKMW0800235934, nSEB0813056099, nSEB0826247749,
nAB1526132368, nAB1529255081

To Whom It May Concern,

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

Site Information

The Mitchell SWD # 2 is located approximately 3.2 miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter I, Section 23, Township 17 South and Range 25 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.8191147 and -104.4493332. 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 Pima silt loam with, 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 Piedmont alluvial deposits (Holocene to lower Pleistocene) Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits the Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 0.03 miles from the site and is recorded at 105 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

Approximate Depth to Groundwater	105 feet bgs
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- ☐ 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

New Mexico Oil Conservation Division's (NMOCD) criteria stated from the work order must adhere to the following conditions stated from the approved work plan. The following conditions are listed in the table below.

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
< 100'	Total Chlorides	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 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

nKMW0800235934 - On August 23, 2007, a break in pipe connection on produced water tank, inside of berm. Approximately 5 barrels bbls. of produced water was released with 3 bbls recovered.

nSEB0813056099 - On April 19, 2008, a blown power pole fuse on transfer pump caused release from produced water tank. Approximately 5 barrels bbls. of crude oil was released with 0 bbls. recovered and 8 barrels bbls. of produced water was released with 0 bbls. recovered.

nSEB0826247749 - On September 3, 2008, an equipment failure caused the release of approximately 3 barrels bbls. of crude oil was released with 3 bbls. recovered and 60 barrels bbls. of produced water was released with 52 bbls. recovered.

nAB1526132368 - On July 27, 2015, a Nipple on well head failed, causing the release caused the release of approximately 5 barrels bbls. of produced water was released with 0 bbls. recovered.

nAB1529255081 - On September 23, 2015, Lightning struck the produced water tank which resulted in a fire, causing the release. Approximately 15 barrels bbls. of produced water was released with 14 bbls. recovered.

Remedial Actions

On March 22, 2023, upon client authorization, Talon personnel and equipment mobilized to the site to begin excavating of the impacted area with backhoe and excavator. The majority of impacted soils were excavated to 4.5 feet bgs and areas around the original tank battery location were excavated to 18 bgs feet. Sidewalls were guided by titration to their final excavations as indicated by the locations shown on Figure 1, Confirmation map ([Appendix I](#)) and the analytical results from those efforts presented in table 1. All soil samples were properly collected, preserved and, transported to Cardinal Analytical for analysis of Total Chlorides (SM4500CL-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B). The soil sample results from the laboratory are tabulated below in table 1 confirmations samples.

Table 1
Confirmation Samples

Mitchell SWD #2									
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 combined = 1,000 mg/kg			2,500 mg/kg	20,000 mg/kg
C-1	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2200
C-2	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2560
C-3	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2280
C-4	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1440
C-5	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1570
C-6	6/7/23	4.5'	ND	ND	ND	21.7	11.5	33.2	1920
C-7	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2240
C-8	6/7/23	4.5'	ND	ND	ND	ND	ND	0	400
C-9	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1230
C-10	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2560
C-11	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1960
C-12	6/7/23	4.5'	ND	ND	ND	47.8	48.4	96.2	3760
C-13	6/7/23	4.5'	ND	ND	ND	ND	ND	0	736
C-14	6/7/23	4.5'	ND	ND	ND	28.2	10.6	38.8	6160
C-15	6/7/23	4.5'	ND	ND	ND	130	42.6	172.6	1490
C-16	6/7/23	4.5'	ND	ND	ND	341	122	463	3840
C-17	6/7/23	4.5'	ND	ND	ND	336	124	460	6160
C-18	6/7/23	4.5'	ND	ND	ND	67.2	18.9	86.1	760
C-19	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1720
C-20	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1800
C-21	6/7/23	4.5'	ND	ND	ND	907	333	1240	4440
C-22	6/7/23	4.5'	ND	ND	ND	138	42.9	180.9	3160
C-23	6/7/23	4.5'	ND	ND	ND	333	109	442	5120
C-24	6/7/23	4.5'	ND	ND	ND	389	159	548	4960
C-25	6/7/23	4.5'	ND	ND	ND	123	41.8	164.8	6720
C-26	6/7/23	4.5'	ND	ND	ND	107	49.6	156.6	3280
C-27	6/14/23	18'	ND	ND	ND	64.1	17.6	81.7	2000
C28SW	6/14/23	0-18'	ND	ND	ND	161	55.6	216.6	2200
C-29	6/14/23	18'	ND	ND	ND	4170	1420	5590	3360
	6/23/23	18'	ND	ND	ND	54.2	ND	54.2	1570
C30SW	6/14/23	0-18'	ND	ND	ND	1010	313	1323	4520
	6/23/23	0-18'	ND	ND	ND	ND	ND	0	2320
C-31	6/7/23	4.5'	ND	ND	ND	169	34.2	203.2	8240

C-32	6/7/23	4.5'	ND	ND	ND	1170	328	1498	5280
	6/29/23	4.5	ND	ND	ND	ND	ND	ND	1420
C33SW	6/14/23	0-18'	ND	ND	ND	ND	ND	0	4000
C-34	6/14/23	18'	ND	ND	ND	83.2	20.6	103.8	6240
C-35	6/14/23	18'	ND	ND	ND	223	55.1	278.1	4160
C36SW	6/14/23	0-18'	ND	ND	17.6	1070	335	1422	3600
	6/23/23	0-18'	ND	ND	ND	14.8	ND	14.8	4920
C-37	6/7/23	4.5'	ND	ND	ND	87.2	20.6	107.8	4080
C-38	6/7/23	4.5'	ND	ND	ND	23.8	ND	23.8	9860
C39SW	6/7/23	0-18'	ND	ND	ND	437	200	637	4640
C40SW	6/7/23	0-18'	ND	ND	ND	8480	3330	11810	4880
	6/20/23	0-18'	ND	ND	ND	13.5	13.3	26.8	560
C-41	6/7/23	4.5'	ND	ND	ND	301	117	418	4080
C-42	6/7/23	4.5'	ND	ND	ND	179	74.4	253.4	2680
C-43	6/7/23	4.5'	ND	ND	ND	446	205	651	4960
C-44	6/7/23	4.5'	ND	ND	ND	ND	ND	0	6240
C-45	6/7/23	4.5'	ND	ND	ND	349	142	491	32400
	6/20/23	6'	ND	ND	ND	ND	ND	0	1090
C-46	6/7/23	4.5'	ND	ND	ND	ND	ND	0	14000
C-47	6/7/23	4.5'	ND	ND	ND	ND	15.9	15.9	5760
C-48	6/7/23	4.5'	ND	ND	ND	149	52.7	201.7	4320
C-49	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2040
C-50	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1800
SW-1	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-2	6/7/23	0-4'	ND	ND	ND	ND	ND	0	848
	6/14/23	0-4'	ND	ND	ND	ND	ND	0	320
SW-3	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-4	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-5	6/7/23	0-4'	ND	ND	ND	ND	ND	0	432
SW-6	6/7/23	0-4'	ND	ND	ND	ND	ND	0	384
SW-7	6/7/23	0-4'	ND	ND	ND	ND	ND	0	368
SW-8	6/7/23	0-4'	ND	ND	ND	ND	ND	0	112
SW-9	6/7/23	0-4'	ND	ND	ND	ND	ND	0	144
SW-10	6/7/23	0-4'	ND	ND	ND	ND	ND	0	320
SW-11	6/7/23	0-4'	ND	ND	ND	ND	ND	0	240
SW-12	6/7/23	0-4'	ND	ND	ND	ND	ND	0	64

NOTES:

BGS Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
C	Confirmation Sample
SW	Sidewall Sample
TT	Test Trench
R	Refusal
ND	Analyte Not De- tected
	Analyte Not
NT	Tested

Excavation Summary

On June 7, 2023, Talon personnel return to location and collected confirmation samples. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

On June 14, 2023, talon personnel return to begin excavation around the old tank battery. Excavations reached a depth of 18 feet bgs to remove all containmates. Samples C-28, C-30, C-33, C-36, C-39, and C-40 were orginally going to be floor samples, but due to finding additional contaminates in that area they were converted into sidewall samples to keep cronological order. An SW was placed next to those samples to indicate a side wall. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

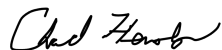
On June 20, 23 and, 29, 2023, based on the laboratory results, Talon personnel return to location and collected additional samples confirmation samples at C-29, C-30SW, C-32, C-36SW, C-40SW and C-45. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

Closure

On behalf of EOG 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 Forms, NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports



Appendix I

Site Maps

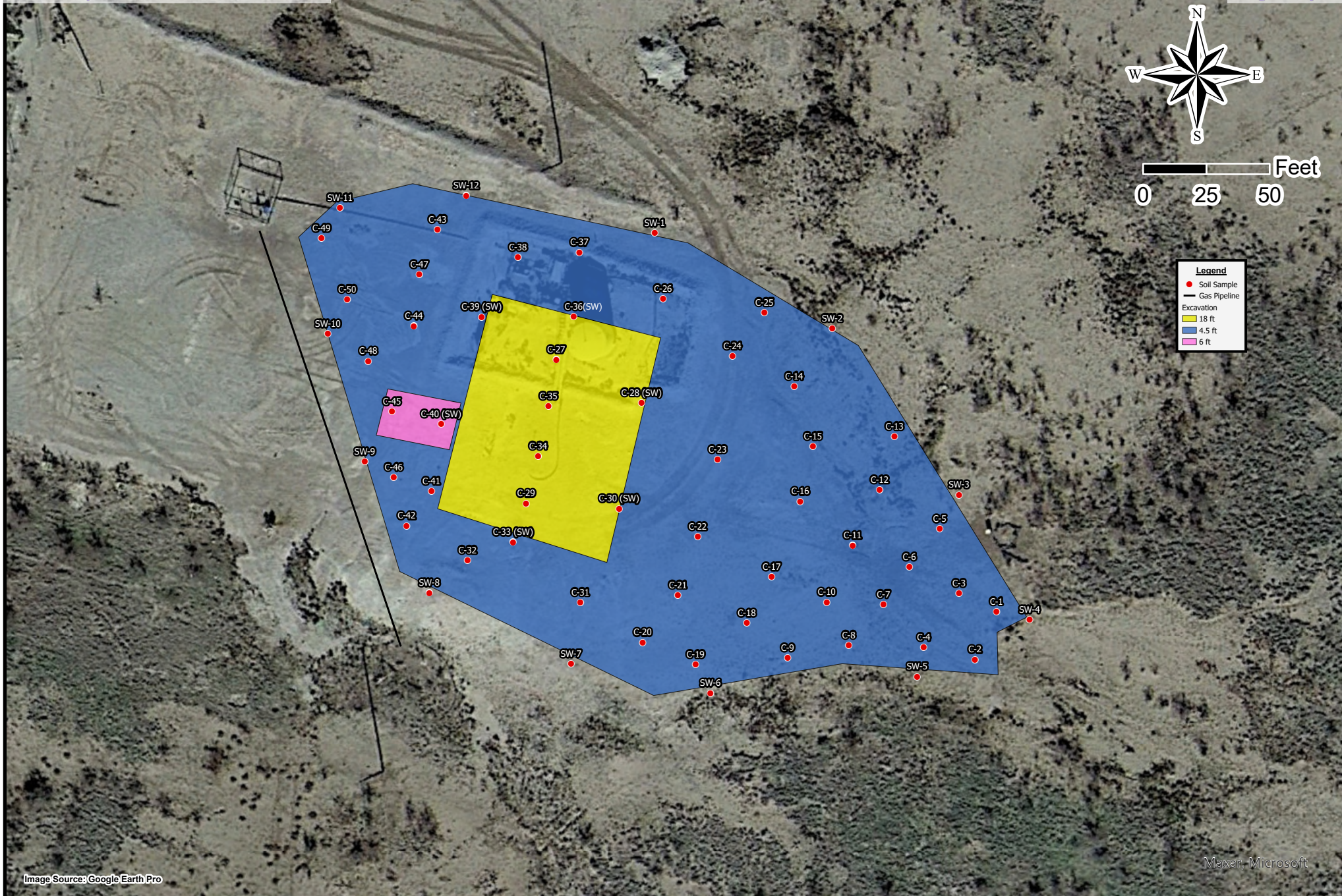


Image Source: Google Earth Pro

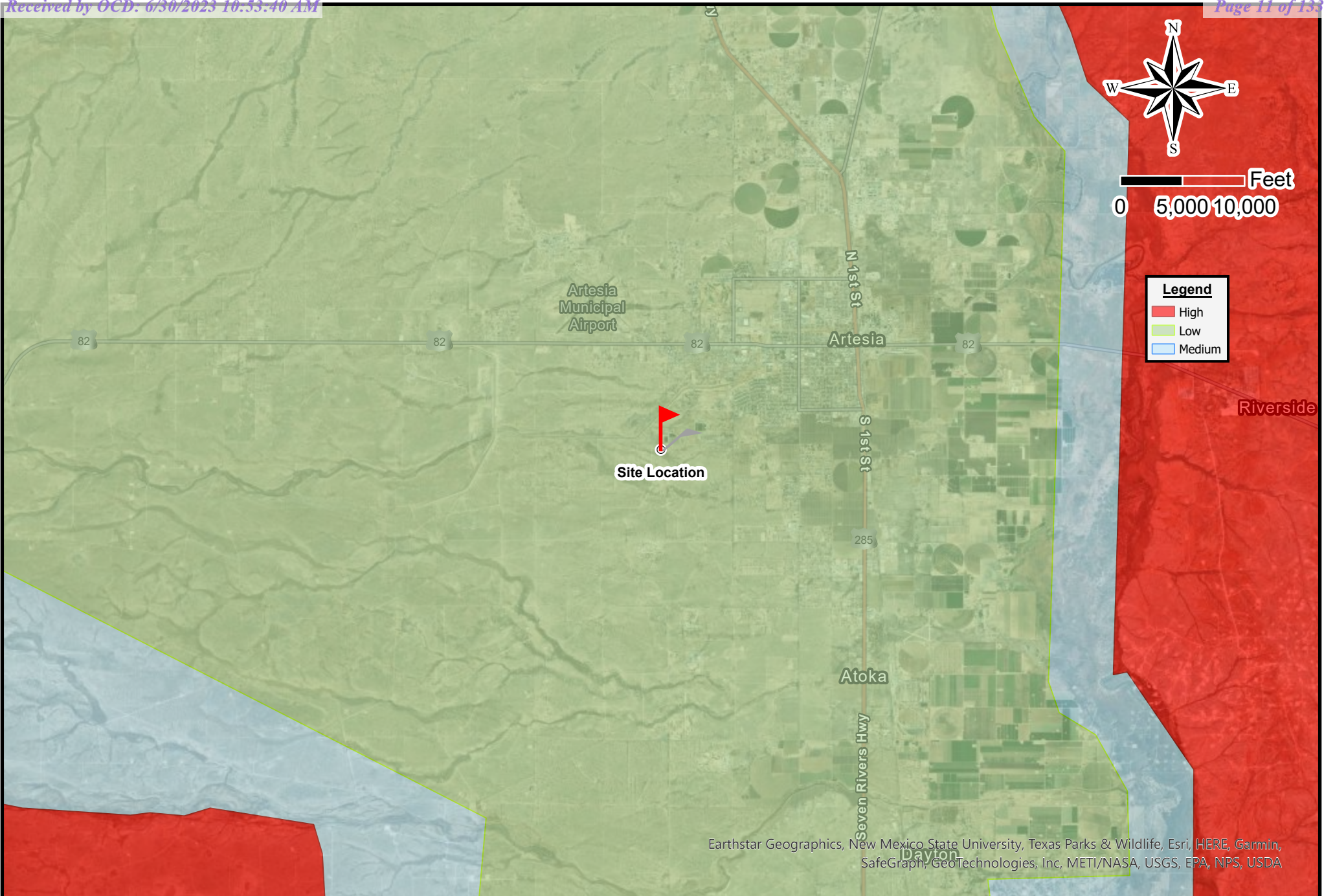
Maxar, Microsoft



Drafted: 6/26/2023
1 in = 50 ft
Drafted By: IJR

Figure 1

EOG
Mitchell SWD #2
Eddy County, NM
Confirmation Map

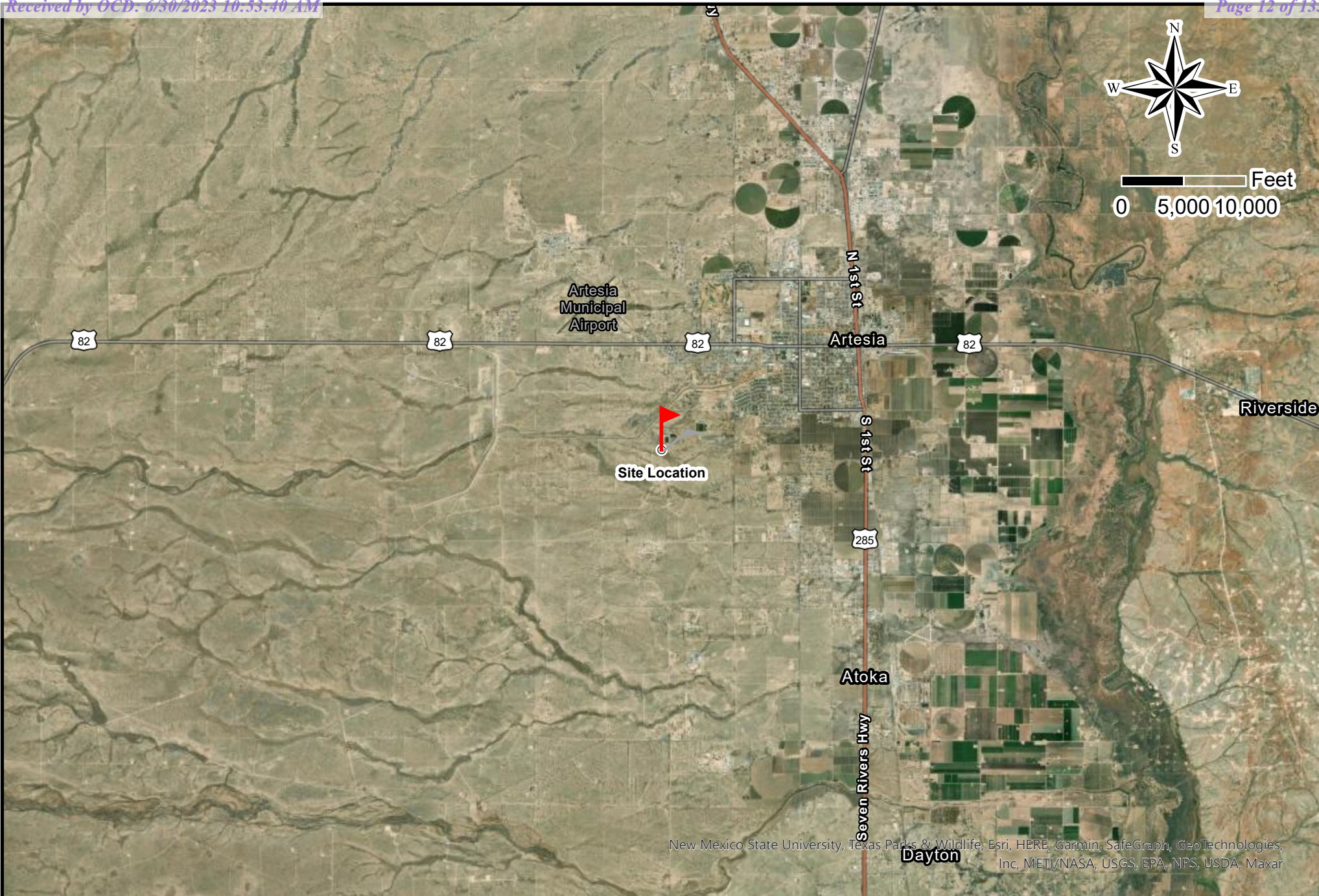


Earthstar Geographics, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA



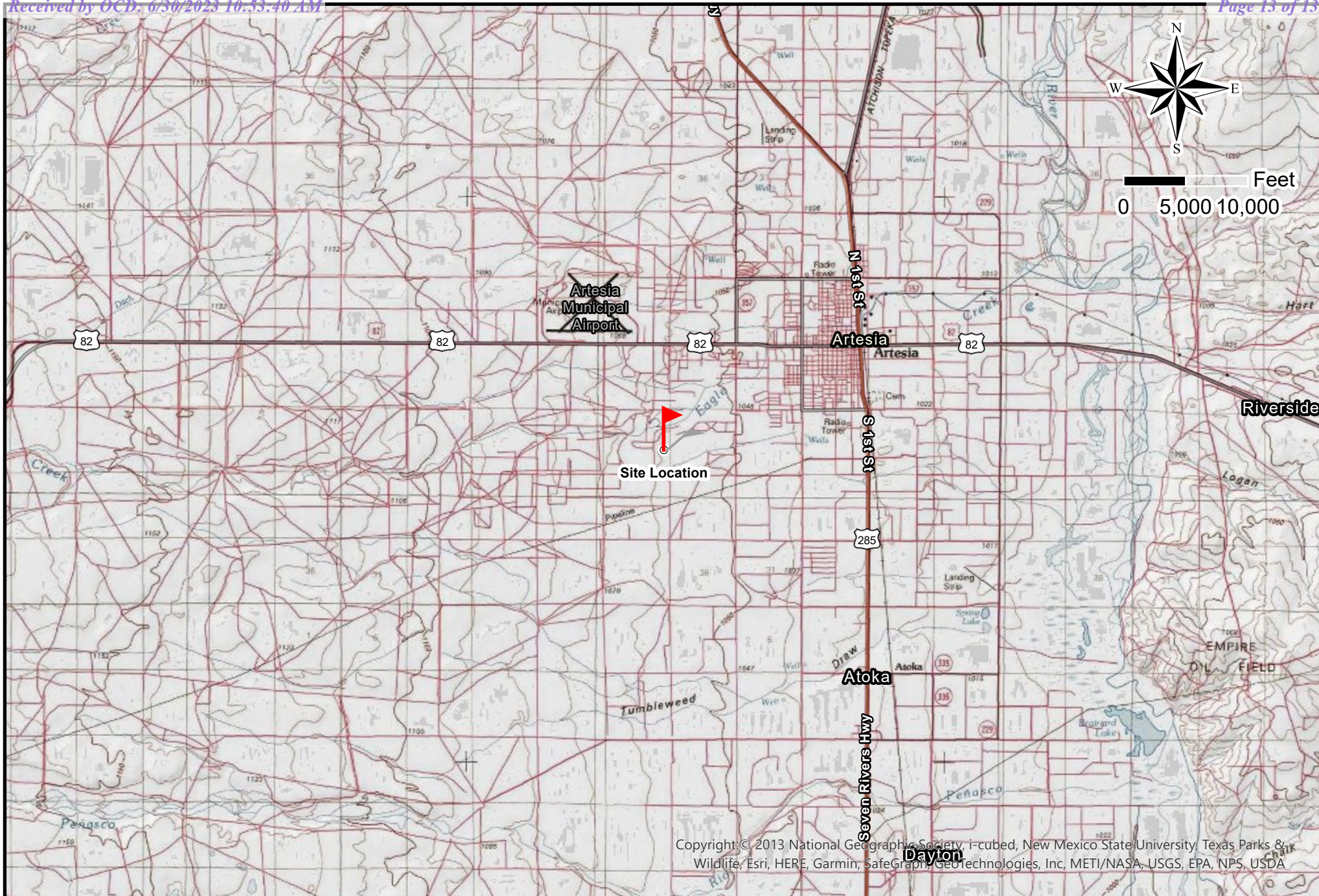
Drafted: 6/26/2023
1 in = 10,000 ft
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EOG
Mitchell SWD #2
Eddy County, NM
Karst Map



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1 in = 10,000 ft
Drafted By: IJR

EOG
Mitchell SWD #2
Eddy County, NM
Location Map



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Drafted: 6/26/2023
1 in = 10,000 ft
Drafted By: IJR

EOG
Mitchell SWD #2
Eddy County, NM
Topographic Map



Appendix II

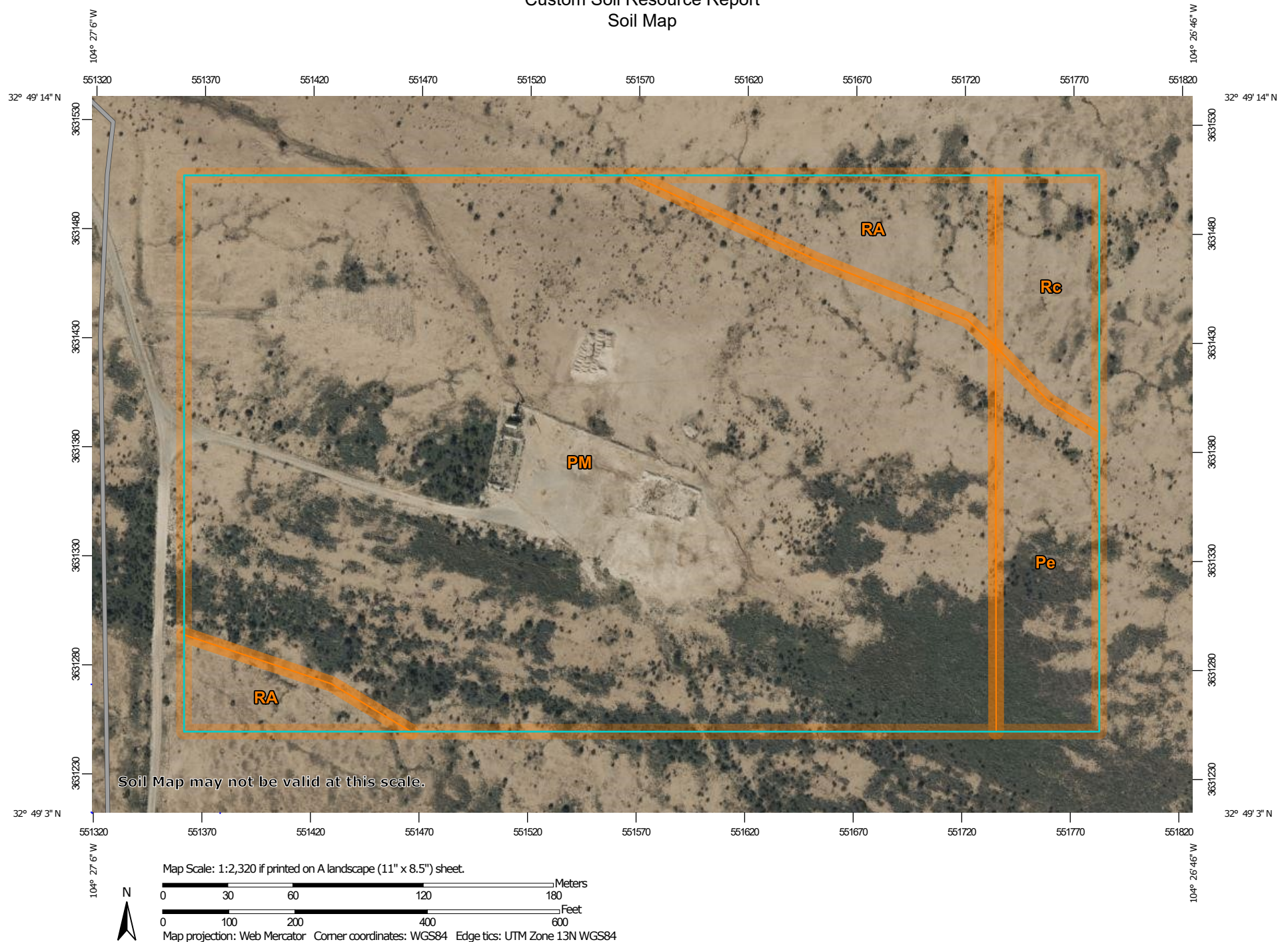
Groundwater Data

Soil Survey

FEMA Flood Map

Soil Map


The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Custom Soil Resource Report

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.

Custom Soil Resource Report

Eddy Area, New Mexico**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

Custom Soil Resource Report

*Ecological site: R070BC007NM - Loamy**Hydric soil rating: No***Dev***Percent of map unit: 1 percent**Ecological site: R070BC017NM - Bottomland**Hydric soil rating: No***PM—Pima silt loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w56**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: Farmland of statewide importance***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)*

Custom Soil Resource Report

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

RA—Reagan loam, 0 to 3 percent slopes**Map Unit Setting**

National map unit symbol: 1w5c
Elevation: 1,100 to 4,400 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

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 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained

Custom Soil Resource Report

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**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

Rc—Reagan loam, 0 to 1 percent slopes**Map Unit Setting**

National map unit symbol: 1w5l

Elevation: 1,100 to 5,300 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent

Minor components: 3 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

Custom Soil Resource Report

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: 0 to 1 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): 6c

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components**Reagan**

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

Reeves

Percent of map unit: 1 percent

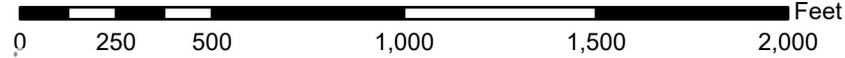
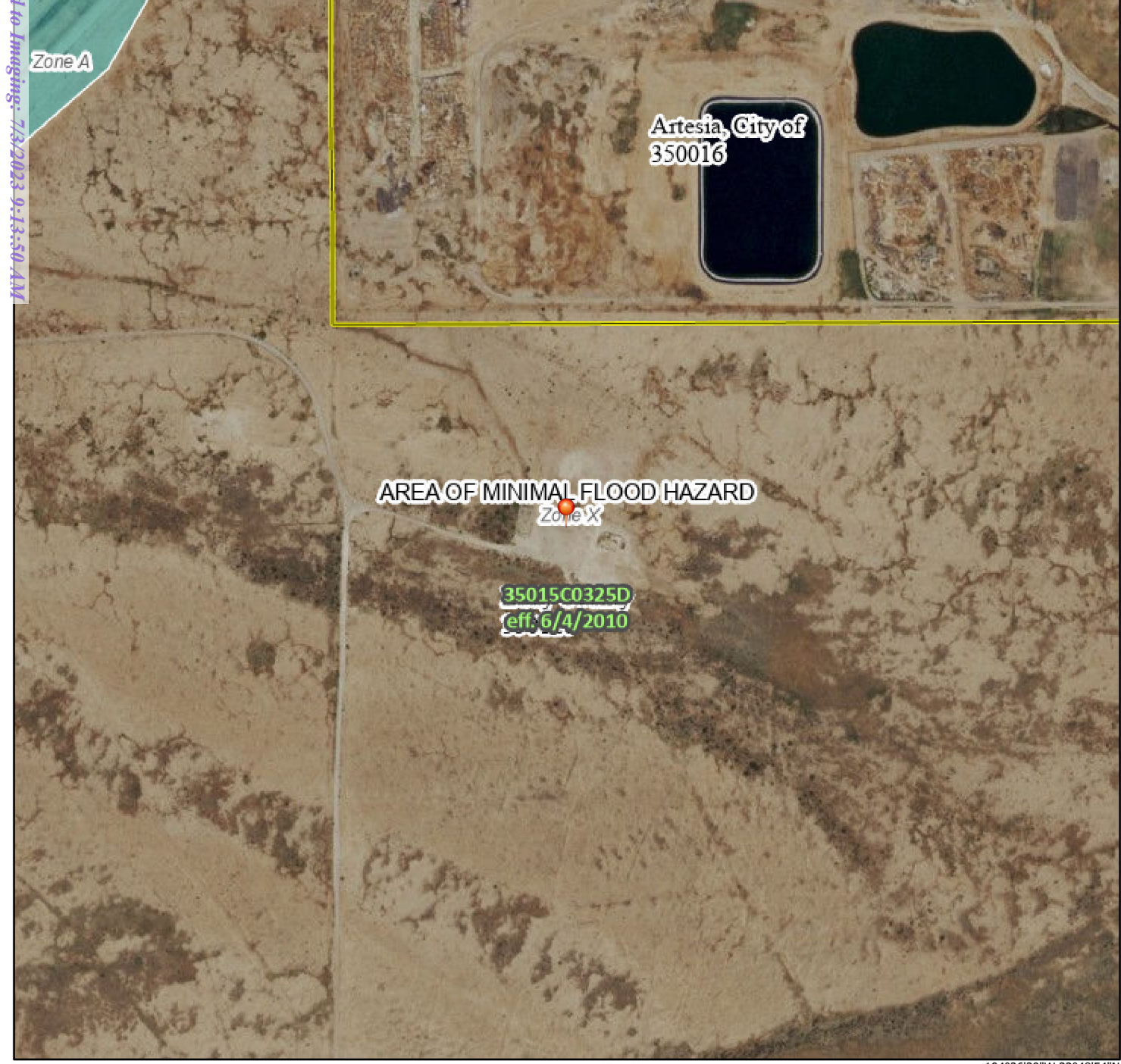
Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

National Flood Hazard Layer FIRMMette



104°27'16"W 32°49'24"N



1:6,000

104°26'39"W 32°48'54"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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/28/2023 at 10:34 AM 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.

Released to Imaging: 7/8/2023 9:13:50 AM

Received by OCD: 6/28/2023 10:53:40 AM



Appendix III

C-141 Forms

NMOCD Correspondence

Incident ID	nAB1526132368
District RP	
Facility ID	
Application ID	

Closure

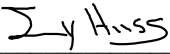
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: JermeY Haass Title: Sr. Safety & Enviromental Specialist

Signature: 

Date: 6/30/2023


email: jeremy_Haass@eogresources.com

Telephone: 575-748-4311

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: 7/03/2023

Printed Name: Ashley Maxwell

Title: Environmental Specialist

Incident ID	nAB1529255081
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.

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- ☒ 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

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Printed Name: JermeY Haass Title: Sr. Safety & Enviromental Specialist

Signature:  Date: 6/30/2023

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

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: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nKMW0800235934
District RP	
Facility ID	
Application ID	

Closure

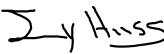
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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

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Printed Name: Jermei Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 6/30/2023

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

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: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nSEB0813056099
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.*

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- ☒ 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

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Printed Name: Jermei Haass Title: Sr. Safety & Environmental Specialist


Signature:  Date: 6/30/2023

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

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: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nSEB0826247749
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.*

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- ☒ 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

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Printed Name: Jerney Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 6/30/2023

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

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: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

From: [Hamlet, Robert, EMNRD](#)
To: [Chad Hensley](#)
Cc: Jeremy_Haass@eogresources.com; [Chase Settle](#); [David J. Adkins](#)
Subject: RE: [EXTERNAL] Variance Request for NSEB0826247749
Date: Monday, May 8, 2023 7:53:29 AM
Attachments: [image002.png](#)
[image003.png](#)

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

Chad,

A variance is approved for collecting 5-point composite confirmation samples to represent each 500 square foot area. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, May 5, 2023 12:02 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Variance Request for NSEB0826247749

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Chad Hensley <chensley@talonlpe.com>

Sent: Friday, May 5, 2023 11:58 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Jeremy Haass <Jeremy_Haass@eogresources.com>; Chase Settle
<Chase_Settle@eogresources.com>; David J. Adkins <dadkins@talonlpe.com>

Subject: [EXTERNAL] Variance Request for NSEB0826247749

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

To whom it may concern.

On behalf of EOG, Talon would like to request an allowable variance for confirmation sampling to 500 sq/ft. from 200 sq/ft.

Thank you for your time,

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.

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, June 28, 2023 1:29 PM
To: Chad Hensley
Subject: (Variance Approval) Mitchell SWD # 2 - NKMW0800235934, NSEB0813056099, NAB1526132368, NAB1529255081

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

Re: Incident # **NKMW0800235934**, **NSEB0813056099**, **NAB1526132368**, **NAB1529255081**

-
Chad

-
The variance request for 500 ft² composite confirmation sample size is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Chad Hensley <chensley@talonlpe.com>
Sent: Wednesday, June 28, 2023 1:11 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Mitchell SWD # 2

Yes same location, same tank battery.

Sent from [Mail](#) for Windows

From: [Hamlet, Robert, EMNRD](#)
Sent: Wednesday, June 28, 2023 1:10 PM
To: [Chad Hensley](#)
Subject: RE: [EXTERNAL] Mitchell SWD # 2

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

Chad,

Are all the spills on the same location? I'm guessing your asking for 500 ft² confirmation samples.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau



Appendix IV

Photographic Documentation



Mitchell SWD # 2 Remediation Project
Eddy County, NM



Photograph No.1 Description:

Initial excavation of site to 4.5 ‘



Photograph No.2 Description:

Initial excavation of site to 4.5 ‘



Photograph No.3 Description:

Initial excavation of site to 4.5 ‘

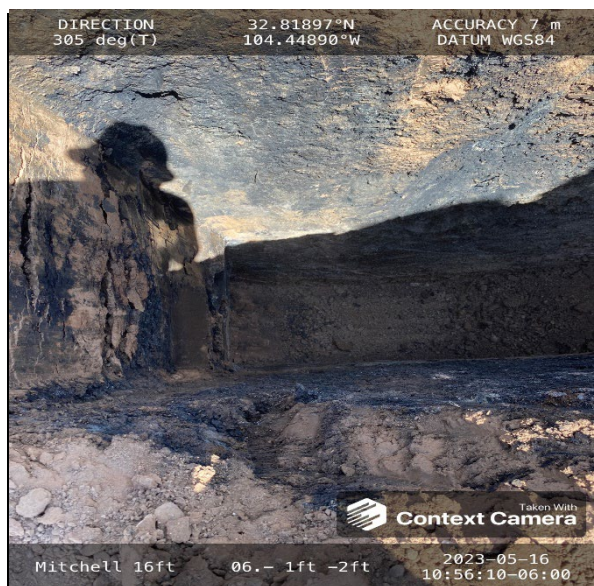


Photograph No.4 Description:

Initial excavation of site to 4.5 ‘

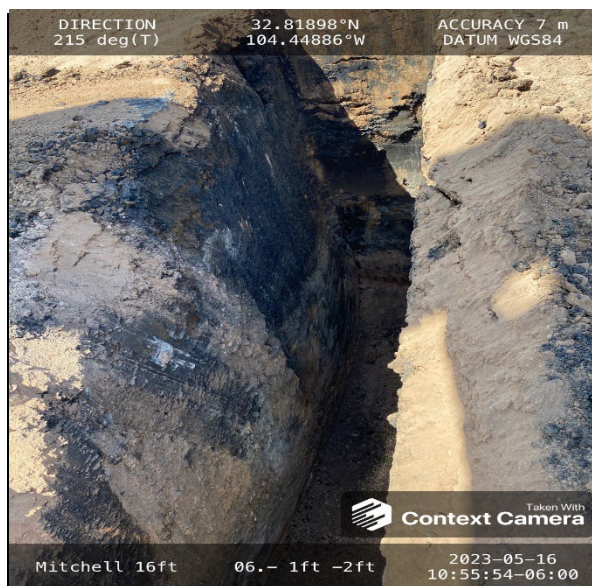


Mitchell SWD # 2 Remediation Project
Eddy County, NM



Photograph No.5 Description:

Discovery of contaminates to 18'



Photograph No.6 Description:

Discovery of contaminates to 18'



Photograph No.7 Description:

Excavation to 18' under tank battery area.



Photograph No.8 Description:

Excavation to 18' under tank battery area.



Mitchell SWD # 2 Remediation Project
Eddy County, NM



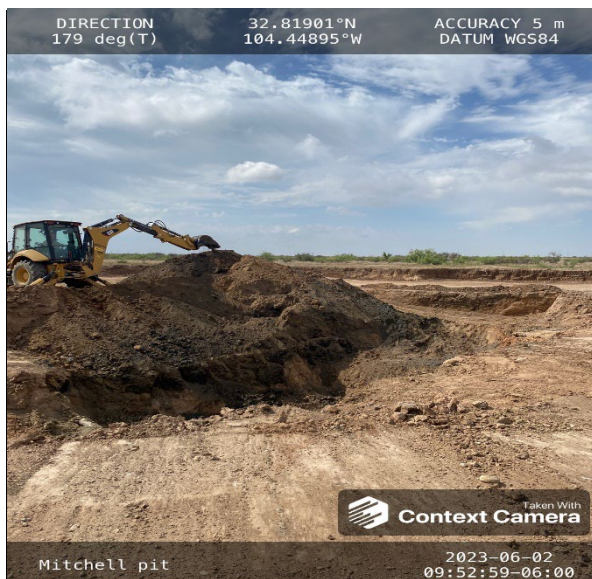
Photograph No.9 Description:

Excavation to 18' under tank battery area.



Photograph No.10 Description:

Excavation to 18' under tank battery area.



Photograph No.11 Description:

Excavation to 18' under tank battery area.



Photograph No.12 Description:

Excavation to 18' under tank battery area.



Appendix V

Laboratory Analytical Reports



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

June 12, 2023

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 14:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/07/2023
 Reported: 06/12/2023
 Project Name: EOG MITCHELL SWD
 Project Number: 700438.307.01
 Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (0-4) FT (H232906-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	6.15	
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62	
Total BTEX	<0.300	0.300	06/09/2023	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	128	16.0	06/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (0-4) FT (H232906-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	6.15		
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (0-4) FT (H232906-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	6.15		
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (0-4) FT (H232906-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	6.15	
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (0-4) FT (H232906-05)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (0-4) FT (H232906-06)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (0-4) FT (H232906-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
 Reported: 06/12/2023
 Project Name: EOG MITCHELL SWD
 Project Number: 700438.307.01
 Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (0-4) FT (H232906-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (0-4) FT (H232906-09)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (0-4) FT (H232906-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	320	16.0	06/08/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (0-4) FT (H232906-11)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/12/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (0-4) FT (H232906-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/08/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

June 13, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 14:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 1 4 1/2' (H232907-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	2200	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 2 4 1/2' (H232907-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 3 4 1/2' (H232907-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 4 4 1/2' (H232907-04)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 5 4 1/2' (H232907-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 6 4 1/2' (H232907-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1920	16.0	06/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	21.7	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	11.5	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 7 4 1/2' (H232907-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	2240	16.0	06/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
 Reported: 06/13/2023
 Project Name: MITCHELLSWD
 Project Number: 700438.307.01
 Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: C - 8 4 1/2' (H232907-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 9 4 1/2' (H232907-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1230	16.0	06/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 10 4 1/2' (H232907-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 11 4 1/2' (H232907-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 51.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 12 4 1/2' (H232907-12)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	06/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	47.8	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	48.4	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 13 4 1/2' (H232907-13)

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 55.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 14 4 1/2' (H232907-14)

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	6160	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	201	101	200	4.85	
DRO >C10-C28*	28.2	10.0	06/09/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	10.6	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 15 4 1/2' (H232907-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	130	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	42.6	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 49.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 16 4 1/2' (H232907-16)

BTEX 8021B			mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	3840	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	201	101	200	4.85	
DRO >C10-C28*	341	10.0	06/09/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	122	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 17 4 1/2' (H232907-17)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	6160	16.0	06/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	336	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	124	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 60.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 18 4 1/2' (H232907-18)

BTEX 8021B			mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEX	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	67.2	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	18.9	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 48.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 19 4 1/2' (H232907-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 60.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 20 4 1/2' (H232907-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 50.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.6 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 21 4 1/2' (H232907-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4440	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	907	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	333	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 22 4 1/2' (H232907-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	138	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	42.9	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 53.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 23 4 1/2' (H232907-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	333	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	109	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 54.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 24 4 1/2' (H232907-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	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	4960	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	389	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	159	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 53.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 25 4 1/2' (H232907-25)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6720	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	123	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	41.8	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 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: 06/07/2023
 Reported: 06/13/2023
 Project Name: MITCHELLSWD
 Project Number: 700438.307.01
 Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: C - 26 4 1/2' (H232907-26)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	06/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	107	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	49.6	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 48.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.6 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 31 4 1/2' (H232907-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8240	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	169	10.0	06/08/2023	ND	184	92.2	200	7.38	QM-07
EXT DRO >C28-C36	34.2	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 32 4 1/2' (H232907-28)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	1170	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	328	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 37 4 1/2' (H232907-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	06/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	87.2	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	20.6	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 42 4 1/2' (H232907-30)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	06/08/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	179	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	74.4	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 38 4 1/2' (H232907-31)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	9860	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	23.8	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 39 4 1/2' (H232907-32)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	4640	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	437	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	200	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 40 4 1/2' (H232907-33)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2023	ND	2.32	116	2.00	4.27	QR-03
Toluene*	<0.050	0.050	06/12/2023	ND	2.19	109	2.00	2.49	QR-03
Ethylbenzene*	0.088	0.050	06/12/2023	ND	2.20	110	2.00	1.81	VC1, QM-07, Q
Total Xylenes*	0.701	0.150	06/12/2023	ND	6.55	109	6.00	1.90	VC1, QM-07, Q
Total BTX	0.789	0.300	06/12/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	06/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	06/09/2023	ND	182	91.1	200	8.88		
DRO >C10-C28*	8480	100	06/09/2023	ND	184	92.2	200	7.38		
EXT DRO >C28-C36	3330	100	06/09/2023	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 212 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 41 4 1/2' (H232907-34)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	301	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	117	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 43 4 1/2' (H232907-35)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	4960	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	446	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	205	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 44 4 1/2' (H232907-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 45 4 1/2' (H232907-37)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	32400	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	349	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	142	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 46 4 1/2' (H232907-38)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 47 4 1/2' (H232907-39)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEX	<0.300	0.300	06/09/2023	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	5760	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	15.9	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 48 4 1/2' (H232907-40)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	4320	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	149	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	52.7	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 49 4 1/2' (H232907-41)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27		
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/07/2023
Reported: 06/13/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 50 4 1/2' (H232907-42)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27		
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE

Project Manager:

Address: 408 W. Texas Ave

City: Artesia State: NM zip: 88210

Phone #: 575.746.8768 Fax #:

Project #: 700438.307.01 Project Owner: EOG

Project Name: MitchellSWD

Project Location: EddyCounty

Sample Name: N.ROSE

BILL TO

P.O. #:

Company: EOG

Attn: J. Haass

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

HA33907

Depth 4 1/2'

C-1	C	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
C-2	C												6/6/23	0842			
C-3	C													0846			
C-4	C													0849			
C-5	C													0853			
C-6	C													0856			
C-7	C													0900			
C-8	C													0912			
C-9	C													0914			
C-10	C													0923			
														0926			

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Relinquished By:

Date: 6/6/23

Received By:

Phone Result:

Fax Result:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

* customer added analysis. 6-7-23

Relinquished By:

Date: 6/6/23

Received By:

Phone Result:

Fax Result:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

* customer added analysis. 6-7-23

Delivered By: (Circle One)

2.4.1) C.O.C.

Sample Condition Cool Intact

Checked By: (Initials)

Phone Result:

Fax Result:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

* customer added analysis. 6-7-23

Sampler - UPS - Bus - Other:

1.8: #113

Sample Condition Cool Intact

Checked By: (Initials)

Phone Result:

Fax Result:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

* customer added analysis. 6-7-23

CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Received by: **OCD-6/30/2023 10:53:40 AM**

Company Name: Talon LPE										BILL TO										ANALYSIS REQUEST									
Project Manager: Chad Hensley										P.O. #: EOG																			
Address: 408 W. Texas Ave										Company: EOG																			
City: Artesia										Attn: J. Haass																			
Phone #: 575.746.8768										Address: 																			
Fax #: 										City: 																			
Project #: 700438.307.01										State: NM										Zip: 88210									
Project Owner: EOGMitchell										City: 																			
Project Location: EddyCounty										State: 																			
Phone #: 										Zip: 																			
Fax #: 										City: 																			
Project Name: EOGMitchell										State: 																			
Project Location: EddyCounty										City: 																			
Phone #: 										Zip: 																			
Fax #: 										City: 																			
Project Name: EOGMitchell										State: 																			
Project Location: EddyCounty										City: 																			
Phone #: 										Zip: 																			
Fax #: 										City: 																			
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Project Location: EddyCounty										City: 																			
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Project Location: EddyCounty										City: 																			
Phone #: 										Zip: 																			
Fax #: 										City: 																			
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Phone #: 										Zip: 																			
Fax #: 										City: 																			
Project Name: EOGMitchell										State: 																			
Project Location: EddyCounty										City: 																			
Phone #: 										Zip: 																			
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Project Name: EOGMitchell										State: 																			
Project Location: EddyCounty										City: 																			
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Phone #: 										Zip: 																			
Fax #: 										City: 																			
Project Name: EOGMitchell										State: 																			
Project Location: EddyCounty										City: 																			

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Placea for writtan change to 15751 202-2226



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

June 19, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
Reported: 06/19/2023
Project Name: MITCHELLSWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 4.5' (H233055-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	1.89	94.4	2.00	23.7	
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	320	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	228	114	200	7.26	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	233	116	200	5.54	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE				P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: C. Hensley									
Address: 408 W. Texas Ave									
City: Artesia				State: NM		zip: 88210		Company: EOG	
Phone #: 575.746.8768				Fax #:				Attn: J. Haass	
Project #: 700438307.01				Project Owner: EOG					
Project Name: Mitchell SWD				City:					
Project Location: Eddy County				State:		Zip:			
Sampler Name: N. Rose				Phone #:					
Fax #:									

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS		
H233555	SW-2 4.5'				
		GROUNDWATER			
		WASTEWATER			
		SOIL	X		
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL	X		
		OTHER :			
		DATE	6-30-03		
		TIME	1040		
		CL	X		
		BTEX	X		
		TPH	X		

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 this service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6-14-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 1345		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
<input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	#113 -0.8c/l -1.4e



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

June 20, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 27 18' (H233058-01)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2023	ND	1.89	94.4	2.00	23.7		
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79		
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82		
Total BTX	<0.300	0.300	06/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	2000	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	QM-07
DRO >C10-C28*	64.1	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	17.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 28 18' (H233058-02)

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	06/15/2023	ND	1.89	94.4	2.00	23.7	
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82	
Total BTEX	<0.300	0.300	06/15/2023	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	2200	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	161	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	55.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 29 18' (H233058-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	3360	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	4170	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	1420	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 30 18' (H233058-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTEx	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	4520	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	1010	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	313	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 33 18' (H233058-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59		
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26		
Total BTEX	<0.300	0.300	06/16/2023	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	4000	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 34 18' (H233058-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6240	16.0	06/14/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	83.2	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	20.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 35 18' (H233058-07)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTX	<0.300	0.300	06/16/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	06/14/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	223	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	55.1	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
Reported: 06/20/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 36 18' (H233058-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/17/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.54	109	6.00	1.26	
Total BTEx	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.6	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	1070	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	335	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

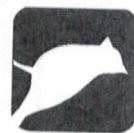
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

June 21, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 12:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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: 06/20/2023
Reported: 06/21/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: C - 40 6' (H233190-01)

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	06/20/2023	ND	2.04	102	2.00	0.594	GC-NC	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177		
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770		
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708		
Total BTEX	<0.300	0.300	06/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	560	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	212	106	200	8.41	
DRO >C10-C28*	13.5	10.0	06/20/2023	ND	194	96.9	200	11.1	
EXT DRO >C28-C36	13.3	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/20/2023
Reported: 06/21/2023
Project Name: MITCHELL SWD
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: C - 45 6' (H233190-02)

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	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEx	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1090	16.0	06/21/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	212	106	200	8.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	194	96.9	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

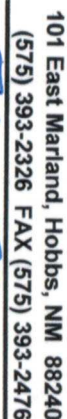
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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



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

June 26, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 13:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/23/2023
Reported: 06/26/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: C - 29 8' (H233281-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1570	16.0	06/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	54.2	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/23/2023
Reported: 06/26/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: C - 30 4' (H233281-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	06/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	<10.0	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/23/2023
Reported: 06/26/2023
Project Name: EOG MITCHELL SWD
Project Number: 700438.307.01
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: C - 36 8' (H233281-03)

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	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTEx	<0.300	0.300	06/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4920	16.0	06/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	14.8	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

June 29, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL

Enclosed are the results of analyses for samples received by the laboratory on 06/29/23 8:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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: 06/29/2023
Reported: 06/29/2023
Project Name: MITCHELL
Project Number: 700438.307.01
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/28/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: C - 32 4.5' (H233355-01)

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	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	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	1420	16.0	06/29/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	164	82.1	200	3.17	
DRO >C10-C28*	15.5	10.0	06/29/2023	ND	169	84.3	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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[illegible]

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
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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 234913

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 234913
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	7/3/2023