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## Remediation/Reclamation Plan

New Mexico CR State #002  
Chaves County, New Mexico  
API ID # 30-005-20413  
nAPP2208959497

### Prepared For:

Wespac Energy  
8620 North New Braunfels Ave #603  
San Antonio, Texas 78217

### Prepared By:

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

**May 21, 2024**

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**New Mexico State Land Office**  
310 Old Santa Fe Trail  
Post Office Box 1148  
Santa Fe, NM 87504-1148

**New Mexico Oil Conservation Division**  
506 W. Texas Ave.  
Artesia, NM 88210

Subject: **Remediation/Reclamation Plan**  
New Mexico CR State #002  
Chaves County, New Mexico  
API ID # 30-005-20413  
nAPP2208959497

To Whom It May Concern,

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

### **Site Information**

The New Mexico CR State #002 is located approximately 36 miles northeast of Roswell, New Mexico. The legal location for this site is Unit Letter M, Section 32, Township 09 South and Range 30 East in Chaves County, New Mexico. The latitude and longitude for the release are 33.4840508 and -103.9101639. Site maps are 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 Ratliff-Redona association, gently undulating. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of piedmont alluvial deposits. Drainage courses in this area are typically well drained.

### **Groundwater and Site Characterization**

Based on the New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 280 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. On September 2, 2023, a temporary well (TW-1) was drilled to a depth of 110 feet bgs in the northeast corner of the pad location of New Mexico CR State #002, to conclusively determine the presence or absence of groundwater at that depth. Groundwater was not encountered at 110 feet bgs. See [Appendix II](#) for the boring log. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. See [Appendix II](#) for the site characterization data.

**Approximate Depth to Groundwater >110 feet bgs**

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

The upper four (4) feet of impacted soil are subject to the most stringent New Mexico Administrative Code (NMAC) Table I standards. With the verified depth to groundwater being greater than 101 feet bgs, the clean up criteria for impacted soils below 4' bgs (> 100') is also listed below.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
0-50 feet (upper 4 feet of soil)	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
> 100 feet (below 4 feet of soil)	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

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## Incident Description

On March 30, 2022, an initial C-141 was submitted to the NMOCD for historical releases that occurred on the site. The historical releases were assigned the incident number nAPP2208959497 and is presented in [Appendix III](#).

## Previous Site Assessment Activities

A previous consultant completed initial soil assessment and sampling activities in January 2022. A remediation work plan was submitted in May 2022, but was rejected by NMOCD. The rejection requested for depth to groundwater to be verified and stated that onsite soil blending is not applicable. An excavation around the well head was completed to four (4) feet bgs and approximately 12 feet wide and 12 feet long.

## Site Assessment Activities

On September 21, 2023, Talon personnel were mobilized to conduct a site assessment of the subject location. Based upon the previous site assessment data, soil samples were collected from 11 locations on the pad to determine horizontal and vertical delineation of impacted areas. Nine (9) soil samples were also collected from the pit boundaries located to the north of the pad.

Four (4) test trenches (S-1, S-2, S-4, and S-8) were completed with a backhoe to a depth of 14 feet bgs. The remaining seven (7) soil sample locations were completed to one (1) foot bgs. Additionally, five (5) composite soil confirmation samples were collected from the excavation around the exposed well head to determine if NMOCD closure criteria had been completed. A stockpile of material, located in the northwest corner of the pad site, was also sampled during the assessment activities. Sample locations are illustrated on Figure 1.

On October 23, 2023, Talon returned to the location to attempt vertical delineation in undefined chloride areas, define the horizontal extent of impacted soils east and south of the open excavation, and collect a soil sample from the center of the pit. Vertical delineation was attempted in three (3) areas with direct push technology utilizing a Geoprobe in the vicinity of S-1, S-2, S-4, and S-8. However, refusal was encountered approximately 12.5 to 14 feet bgs. Horizontal delineation was achieved south of the excavation with the soil sample location S-22. The soil sample, S-21, did not define the eastern extent of chloride impacted soils from the excavation. The soil sample S-21 at one (1) foot bgs had a chloride concentration of 1,200 mg/kg.

All soil samples were placed in laboratory provided glassware and maintained on ice in the custody of Talon personnel. The samples were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (Method SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B). The analytical results of these samples are presented in Table I. A site assessment map is presented in [Appendix I](#).

**Table I**  
**Site Assessment Laboratory Results**

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
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>10 mg/kg</b>	<b>50 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
<b>S-1</b>	9/21/2023	2'	ND	ND	ND	ND	ND	0	352
	9/21/2023	4'	ND	ND	ND	ND	ND	0	<b>1840</b>
	9/21/2023	10'	ND	ND	ND	ND	ND	0	5280
	9/21/2023	14'	ND	ND	ND	ND	ND	0	7200
<b>S-2</b>	9/21/2023	2'	ND	ND	ND	ND	ND	0	<b>1120</b>
	9/21/2023	4'	ND	ND	ND	ND	ND	0	<b>10000</b>
	9/21/2023	10'	ND	ND	ND	ND	ND	0	8530
	9/21/2023	14'	ND	ND	ND	ND	ND	0	8130
<b>S-3</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	256
<b>S-4</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	<b>1020</b>
	9/21/2023	4'	ND	ND	ND	ND	ND	0	<b>6930</b>
	9/21/2023	12'	ND	ND	ND	ND	ND	0	4400
	9/21/2023	14'	ND	ND	ND	ND	ND	0	3760
<b>S-5</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	32
<b>S-6</b>	9/21/2023	1'	ND	ND	ND	28.6	20.5	49.1	48
<b>S-7</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	48
<b>S-8</b>	9/21/2023	2'	ND	ND	ND	ND	ND	0	<b>2880</b>
	9/21/2023	4'	ND	ND	ND	ND	ND	0	<b>3160</b>
	9/21/2023	10'	ND	ND	ND	ND	ND	0	4160
	9/21/2023	14'	ND	ND	ND	ND	ND	0	3200
<b>S-9</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	112
<b>S-10</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	48
<b>S-11</b>	9/21/2023	1'	ND	ND	ND	ND	ND	0	320
<b>S-12</b>	9/21/2023	1'	ND	ND	ND	70.4	ND	70.4	368

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
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>10 mg/kg</b>	<b>50 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>		<b>100 mg/kg</b>	<b>600 mg/kg</b>	
S-13	9/21/2023	1'	ND	ND	ND	ND	ND	0	48
S-14	9/21/2023	1'	ND	ND	ND	ND	ND	0	48
S-15	9/21/2023	1'	ND	ND	ND	ND	ND	0	16
S-16	9/21/2023	1'	ND	ND	ND	ND	ND	0	320
S-17	9/21/2023	1'	ND	ND	ND	ND	ND	0	32
S-18	9/21/2023	1'	ND	ND	ND	ND	ND	0	ND
S-19	9/21/2023	1'	ND	ND	ND	ND	ND	0	32
S-20	9/21/2023	1'	ND	ND	ND	ND	ND	0	16
S-21	10/23/2023	1'	ND	ND	ND	ND	ND	0	1200
S-22	10/23/2023	1'	ND	ND	ND	ND	ND	0	64
S-23	10/23/2023	1'	ND	ND	ND	ND	ND	0	80
<b>Excavation Sample Results</b>									
C-1	9/21/2023	4'	ND	ND	ND	ND	ND	0	432
CNSW-1	9/21/2023	4'	ND	ND	ND	ND	ND	0	2680
CESW-1	9/21/2023	4'	ND	ND	ND	ND	ND	0	7860
CSSW-1	9/21/2023	4'	ND	ND	ND	ND	ND	0	2800
CWSW-1	9/21/2023	4'	ND	ND	ND	ND	ND	0	5280
<b>Onsite Soil Stockpile</b>									
Stockpile 1	9/21/2023	-	ND	ND	ND	ND	ND	0	128

**NOTES:**

- BGS** Below ground surface
- mg/kg** Milligrams per kilogram
- TPH** Total Petroleum Hydrocarbons
- GRO** Gasoline range organics

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

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
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>10 mg/kg</b>	<b>50 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>		<b>100 mg/kg</b>	<b>600 mg/kg</b>	

- DRO** Diesel range organics
- MRO** Motor oil range organics
- C** Confirmation Sample
- SW** Sidewall Sample
- TT** Test Trench
- ND** Analyte Not Detected

### Variance Request

Talon respectfully requests on behalf of the client, a 400 square foot variance for the collection of composite samples in regards to the remediation.

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### Proposed Remedial Actions

- The remediation will begin within 30 days of authorization to proceed from the client. The NMOCD and NMSLO will receive a two (2) business day notification prior to the beginning of remediation activities and the collection of confirmation soil samples.
- The areas around the test trenches, S-1, S-2, S-4 and S-8, will be vertically excavated to four (4) feet bgs and expanded horizontally to remove all impacted soils.
- The previously excavated area around the wellhead will be expanded horizontally to remove impacted soils based upon the sidewall data, CNSW-1, CESW-1, CSSW-1, and CWSW-1.
- Pursuant to NMOCD guidelines and variance approval, five (5) point composite confirmation soil samples will be collected at 400 square foot intervals at the base of the excavation and analyzed for TPH, BTEX and Total Chlorides to insure all areas have reached NMOCD closure criteria. Should clean-up criteria not be met, the excavation will be deepened and resampled at one (1) foot intervals to ensure remediation standards are achieved.
- All contaminated soil will be transported to a NMOCD approved solid waste disposal facility.
- A trench will be created onsite to deep bury the non-impacted caliche. The trench will measure 40 feet wide by 106 feet long. The trench will be excavated to a depth of 10 feet below ground surface (bgs) to bury the non-impacted caliche 8 feet bgs and allow for 2 feet of topsoil at the surface.
- Pursuant to breeding season timing restrictions for areas within the habitat of the Lesser Prairie Chicken, during the period of March 1st through June 15th, no work will take place on the site between the hours 3:00 am to 9:00 am.
- Reclamation activities will commence following the completion of the remediation of the site location and a two (2) business day notification will be sent to the NMSLO and NMOCD.
- Erosion control structures (water bars) will be created on the former pad location to prevent rainfall sheeting and will remain in place to assist with the establishment of the vegetation. Annual inspections of the location will be completed until revegetation is consistent with native conditions.

- 
- Locally obtained topsoil will be utilized to backfill the excavation. The reclaimed areas will be contoured to match the surrounding terrain. No slopes will exceed the NMSLO recommended slopes of 3:1, rise to run. The remaining pad area and former lease road will be cross-ripped with a dozer to a depth of 18 inches bgs to decrease soil compaction, increase nutrient movement within the soil, and facilitate vegetative growth. Further seed bed preparation will include an application of a high yield nitrogen fertilizer and roughening amended soils.
  - Seeding will be conducted within ten (10) days of final site preparation. In accordance with manufacturer specified application rates, the site will be seeded with NMSLO Loamy (L) sites seed mixture utilizing a Culti-Pack seed drill.
  - Clean, locally obtained topsoil will be utilized to construct erosion control measures on the location. Water bars will be created on well pad as erosion control structures up gradient of the reclaimed areas to prevent sheeting during rainfall events.
  - Upon completion of reclamation activities, the access road will be bermed to discourage vehicles from entering the reclaimed areas. The berms will be at least three (3) feet in height and will extend three (3) feet beyond the former access road on each side. Clean, locally obtained topsoil will be utilized to construct the berms. Seeds will be hand broadcast on the berms to encourage vegetation and stabilization.
  - Remediation and reclamation activities will be documented with photographs timestamped with GPS data.
  - If noxious weeds are determined to be present during subsequent inspection, i.e. African Rue, they will be treated with imazapyr and thereafter monitored on a yearly basis, at minimum. NMSLO will be contacted in the event that noxious weeds are discovered and a more formal control plan is required.
  - A closure report documenting all remediation and reclamation activities, including photo documentation, will be provided to NMOCD and NMSLO upon project completion.

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### Approval Request

Based on this site characterization and analytical results, on behalf of Wespac Energy, we respectfully request regulatory clearance to complete this remediation and reclamation plan.

Respectfully submitted,

Talon/LPE



Kayla Taylor  
Project Manager



David J. Adkins  
Regional Manager

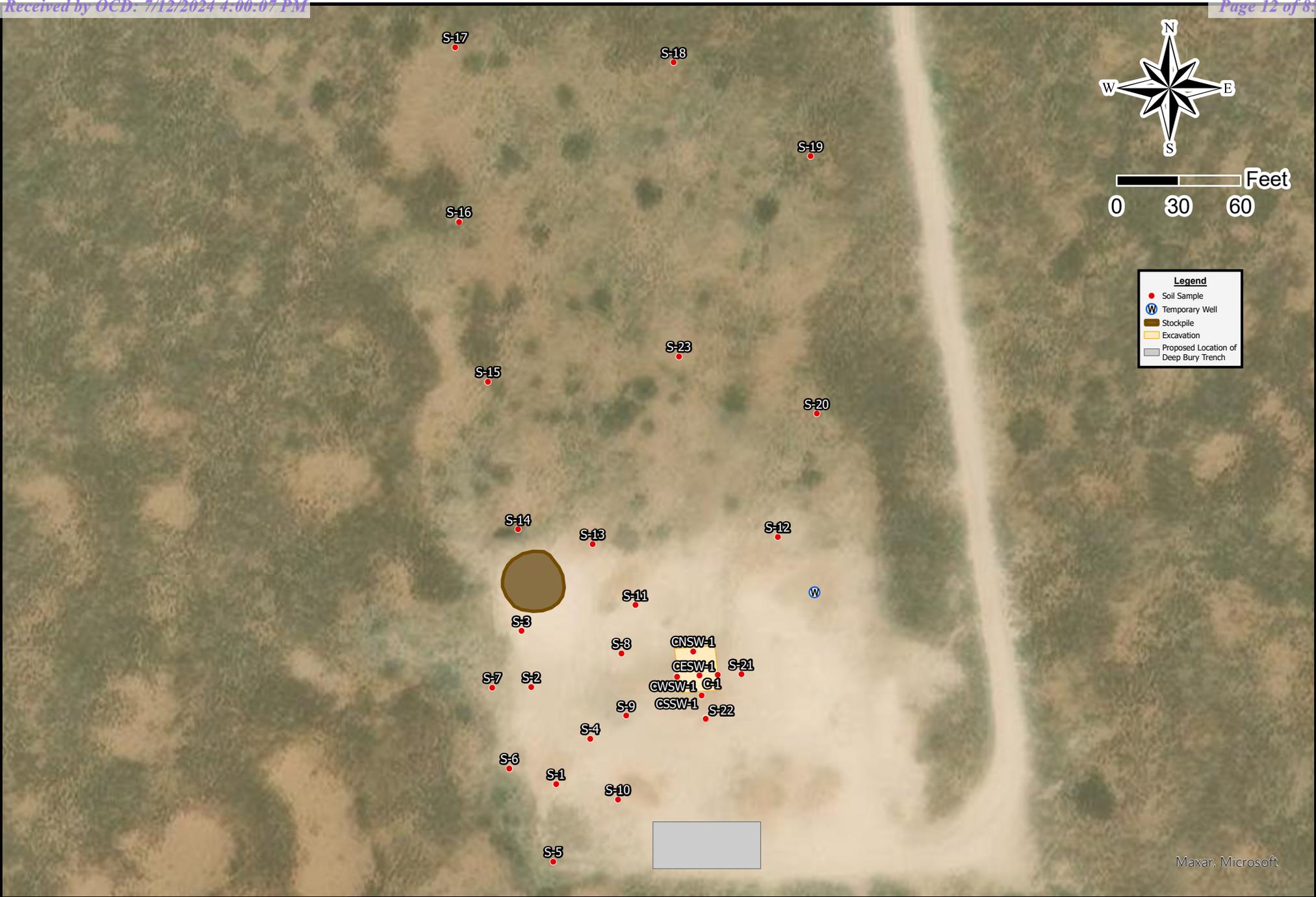
Attachments:

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



## APPENDIX I

### Site Maps

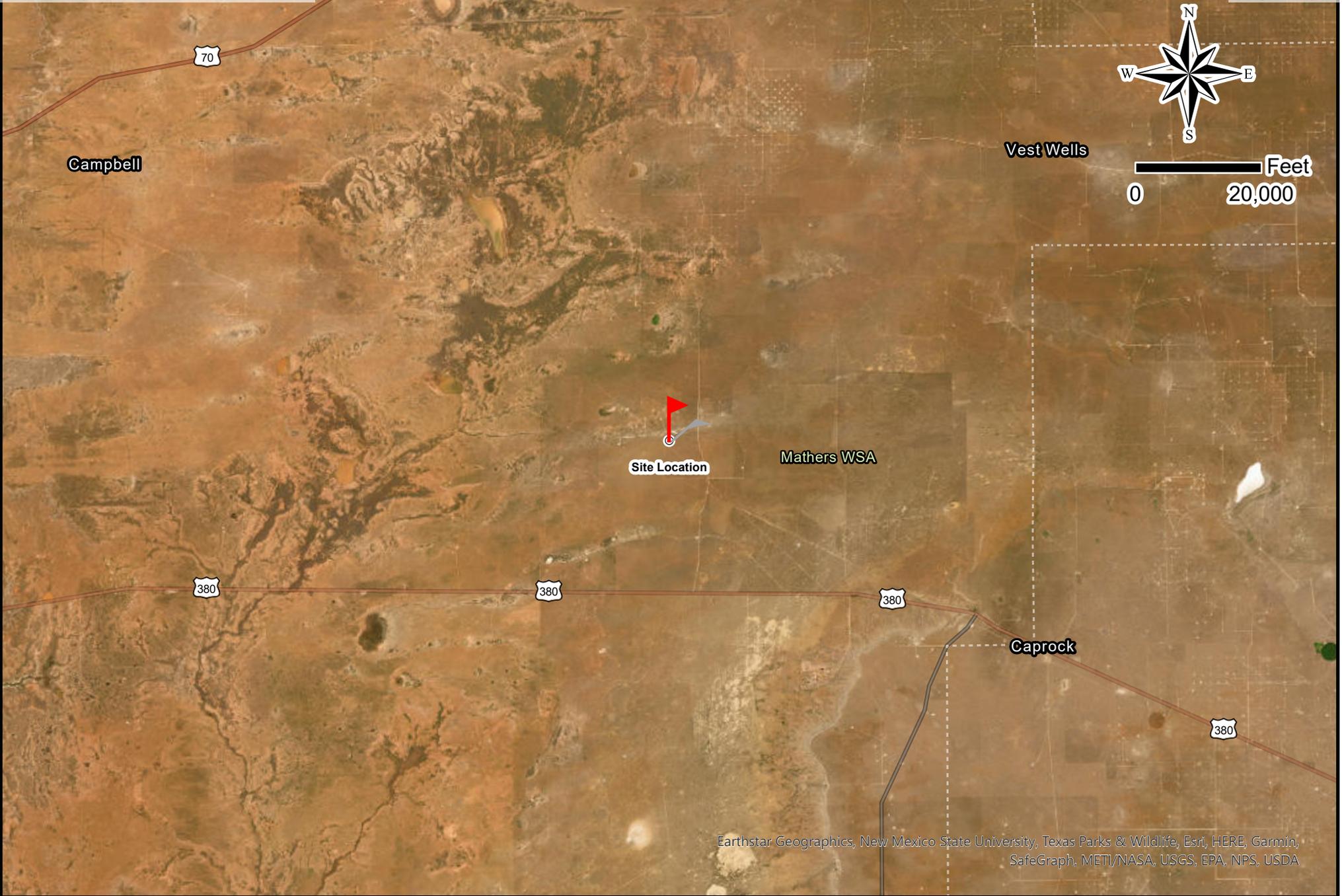


Maxar, Microsoft



Drafted: 12/4/2023  
 1 in = 60 ft  
 Drafted By: IJR

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Figure 1 - Site Assessment Map

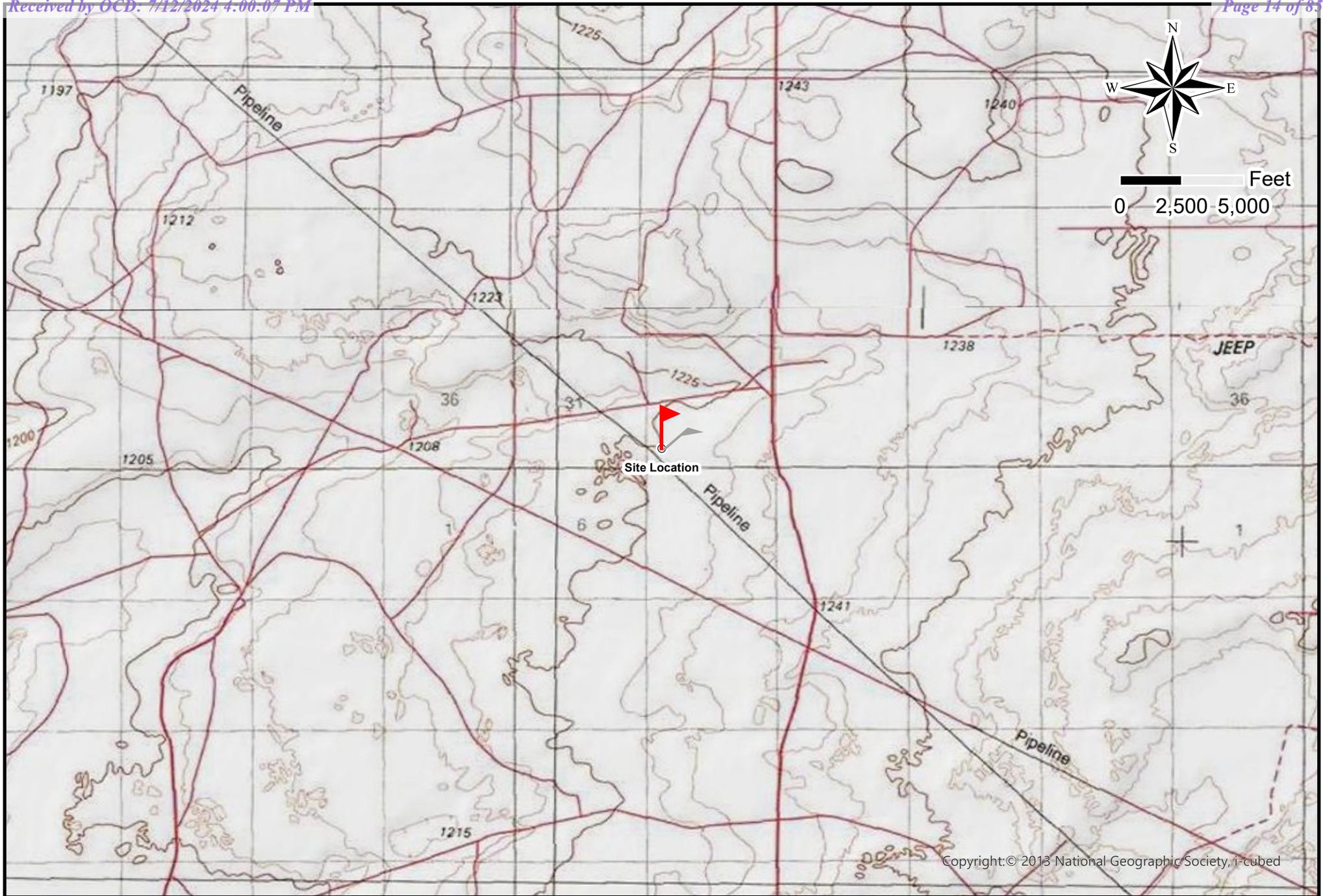


Earthstar Geographics, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA



Drafted: 11/10/2023  
 1 in = 20,000 ft  
 Drafted By: IJR

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Figure 2 - Site Location Map

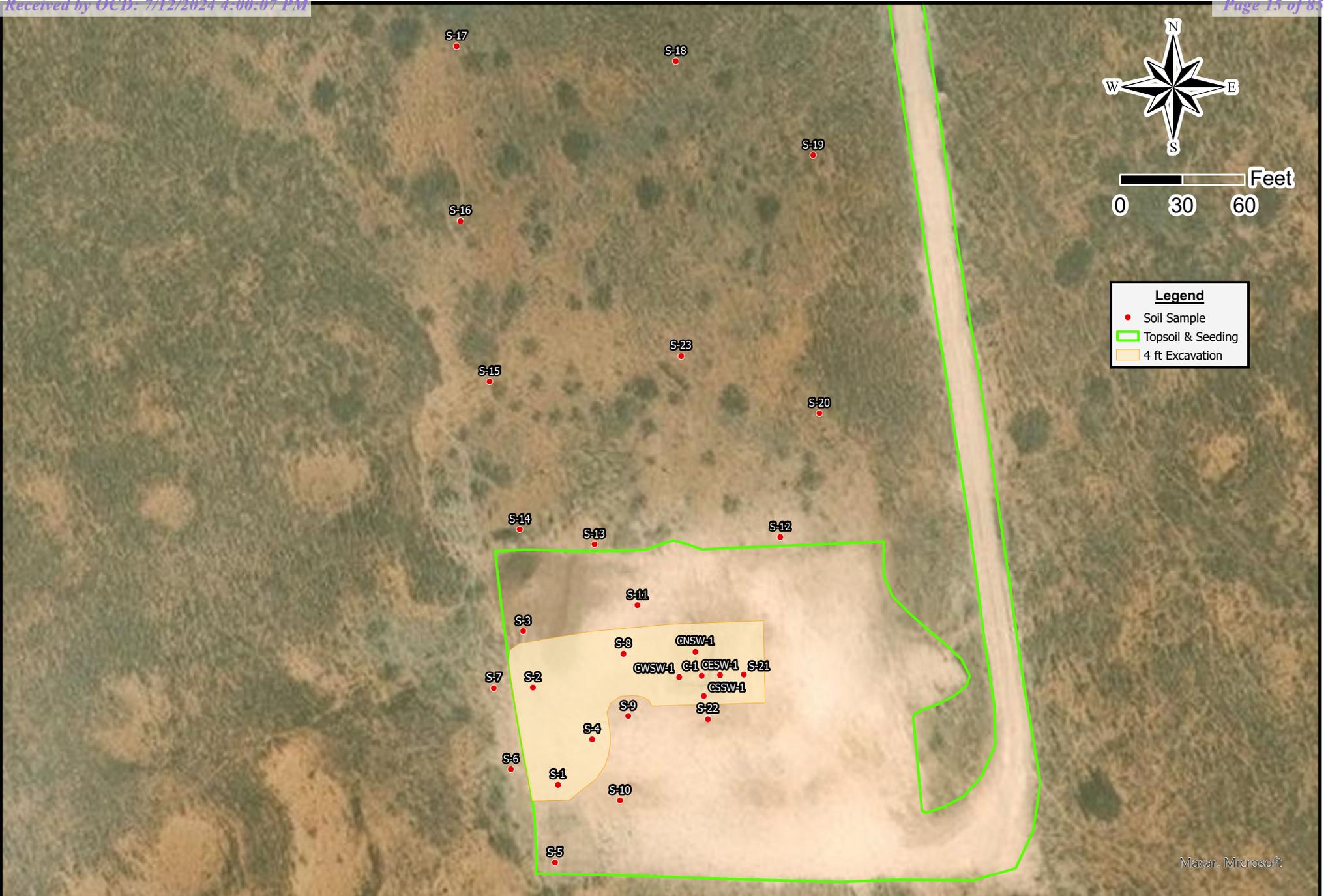


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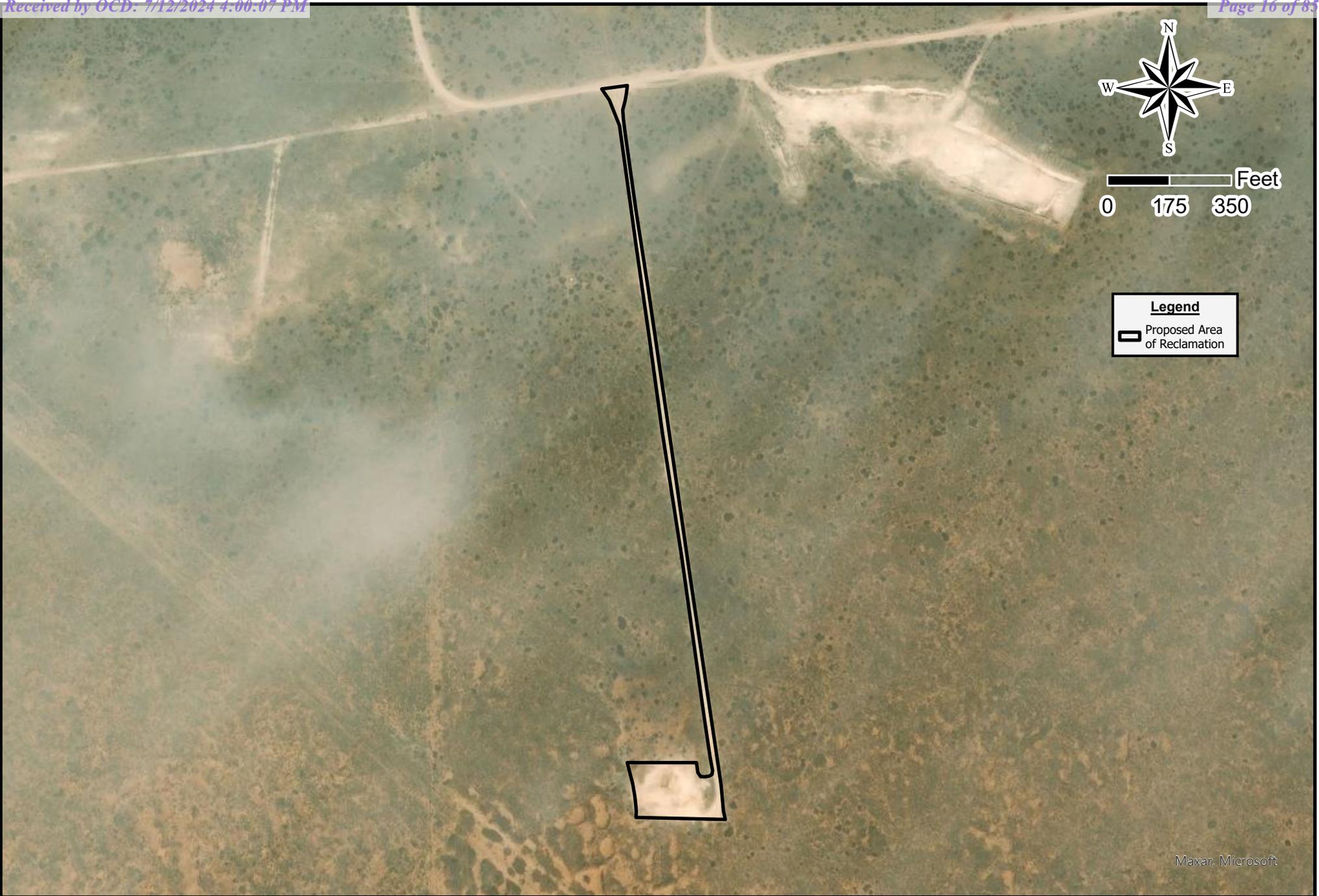
Drafted: 11/10/2023  
 1 in = 5,000 ft  
 Drafted By: IJR

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Figure 3 - Topographic Map



Drafted: 4/18/2024  
 1 in = 60 ft  
 Drafted By: JAI

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Figure 4 - Proposed Excavation Map



**Legend**

 Proposed Area of Reclamation

Maxar, Microsoft



Drafted: 4/18/2024  
 1 in = 350 ft  
 Drafted By: JAI

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Proposed Reclamation Map



Maxar, Microsoft



Drafted: 12/4/2023  
 1 in = 350 ft  
 Drafted By: IJR

Ford Resources  
 CR State #2  
 Chaves County, New Mexico  
 Berm Location Map



## APPENDIX II

Boring Log

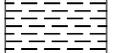
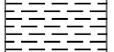
Groundwater Data

Soil Survey

FEMA Flood Map

### SOIL BORING / MONITORING WELL LOG

PROJECT: <u>CR State #2</u>	DRILLING COMPANY: <u>Talon/LPE</u>
PROJECT NUMBER: <u>700497.001.01</u>	DRILLER: <u>Zechariah Moody</u>
CLIENT: <u>Food Resources</u>	DRILLING METHOD: <u>Air Rotary</u>
BORING / WELL NUMBER: <u>TW-1</u>	BORE HOLE DIAMETER: _____
TOTAL DEPTH: <u>110'</u>	SCREEN: Diam. _____ Length _____ Slot Size _____
SURFACE ELEVATION: _____	CASING: Diam. _____ Length _____ Type _____
GEOLOGIST: <u>Matthew Gomez</u>	DATE DRILLED: <u>9/2/2023</u>
LATITUDE: <u>33.48414</u>	LONGITUDE: <u>-103.90989</u>

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0							1'	5YR 5/4 Reddish Brown, Dry, Subangular, Very Soft, Very Loose, Low Plasticity.	
	SM						5'	2.5YR 4/4 Reddish Brown, Moist, Subangular, Medium Soft, Low Plasticity.	
	CL						10'	7.5R 8/2 Light Pink, Dry, Subangular, Medium, Medium Plasticity.	
10	SC							2.5YR 7/3 Light Reddish Brown, Dry, Subangular, Low Plasticity, Angular, Gravel.	
	SC							5YR 5/4 Reddish Brown, Dry, Subangular, Medium, Low Plasticity, Angular Gravel.	
20	SC							10R 4/2 Weak Red, Dry, Subangular, Medium, Low Plasticity, Angular Gravel.	
	SC							10R 4/4 Weak Red, Dry, Subangular, Medium, Medium Plasticity, Angular Gravel.	
30	SC							10R 4/2 Weak Red, Slightly Moist, Medium, Subangular, Medium Plasticity, Angular Gravel.	
	SC							10R 5/2 Weak Red, Slightly Moist, Subangular, Medium, Medium Plasticity.	
40	SC							7.5R 4/2 Weak Red, Subangular, Medium, Medium Plasticity, Well Graded Gravel, Angular Gravel.	
50	SC								
60	SC								

REMARKS: Groundwater not encountered @ 110' bgs.  
 THIS BORING LOG AND WELL DIAGRAM SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.



### SOIL BORING / MONITORING WELL LOG

PROJECT: <u>CR State #2</u>	DRILLING COMPANY: <u>Talon/LPE</u>
PROJECT NUMBER: <u>700497.001.01</u>	DRILLER: <u>Zechariah Moody</u>
CLIENT: <u>Food Resources</u>	DRILLING METHOD: <u>Air Rotary</u>
BORING / WELL NUMBER: <u>TW-1</u>	BORE HOLE DIAMETER: _____
TOTAL DEPTH: <u>110'</u>	SCREEN: Diam. _____ Length _____ Slot Size _____
SURFACE ELEVATION: _____	CASING: Diam. _____ Length _____ Type _____
GEOLOGIST: <u>Matthew Gomez</u>	DATE DRILLED: <u>9/2/2023</u>
LATITUDE: <u>33.48414</u>	LONGITUDE: <u>-103.90989</u>

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
70	SC							10R 4/2 Weak Red, Dry, Subangular, Medium, Medium Plasticity, Angular Gravel.	
80	SC							10R 4/2 Weak Red, Dry, Subangular, Medium, Medium Plasticity, Well-Graded Angular Gravel.	
90	SC							10R 4/2 Weak Red, Slightly Moist, Subangular, Medium, Medium Plasticity, Well-Graded Angular Gravel.	
100	SC							10R 4/2 Weak Red, Dry, Subangular, Medium, Medium Plasticity, Well-Graded Angular Gravel.	
110							110'	Bottom of Hole.	
120									

REMARKS: Groundwater not encountered @ 110' bgs.  
 THIS BORING LOG AND WELL DIAGRAM SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.



# KEY TO SYMBOLS

Symbol Description

## Strata symbols

 Silty sand (SM)

 Clayey sand/  
Low plasticity clay

 Low plasticity  
clay

## Monitor Well Details

 Plugged Soil Boring



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">RA 09568</a>	RA	CH	CH	3	2	4	30	09S	30E	600732	3707383*	550	0	550
<a href="#">RA 11306 POD1</a>	RA	CH	CH	4	4	4	30	09S	30E	600939	3706896	300	280	20

Average Depth to Water: **140 feet**

Minimum Depth: **0 feet**

Maximum Depth: **280 feet**

**Record Count:** 2

**PLSS Search:**

**Township:** 09S    **Range:** 30E

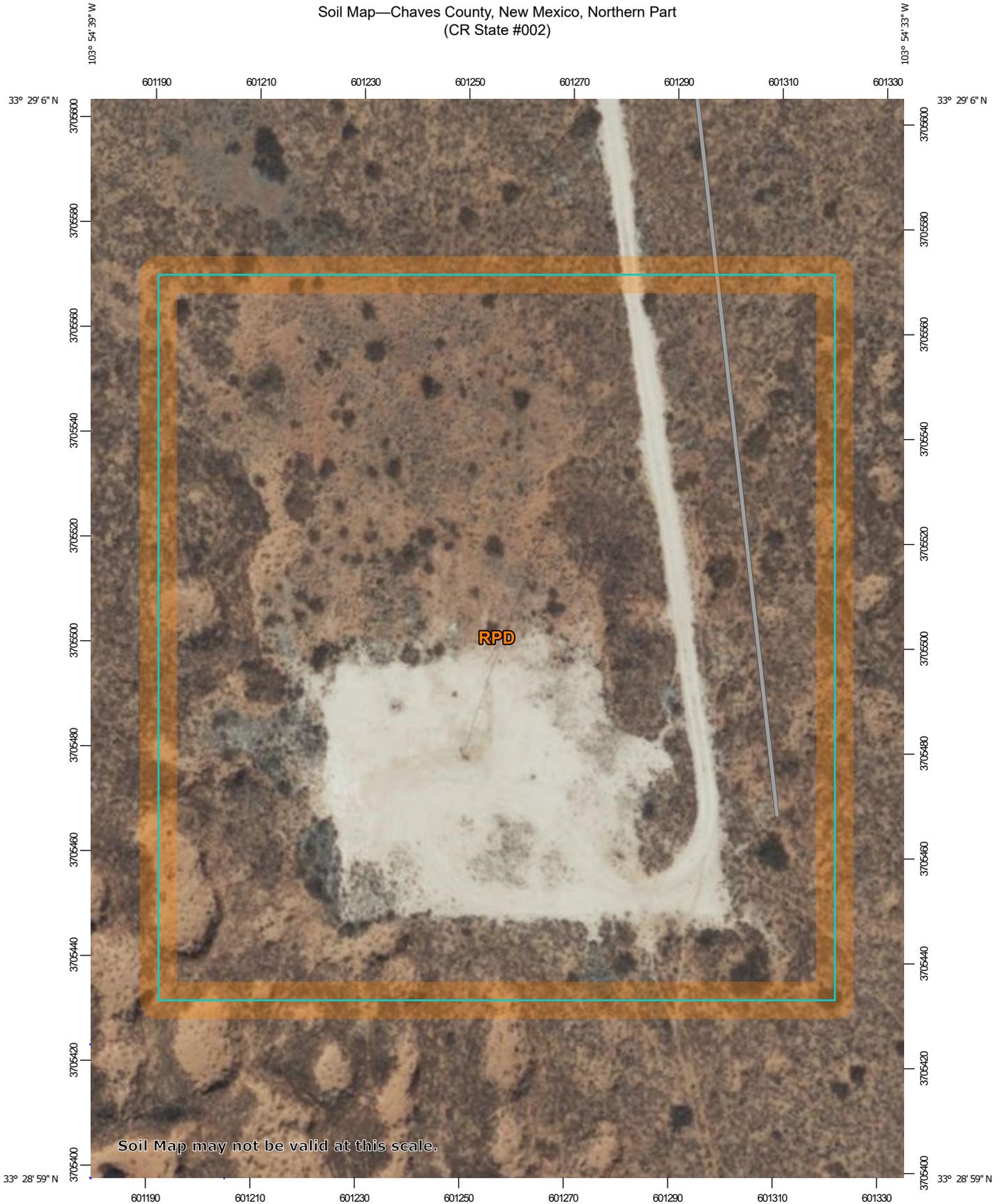
\*UTM location was derived from PLSS - see Help

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

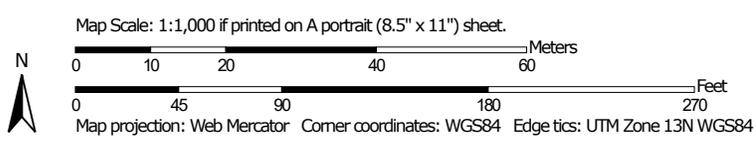
11/14/23 9:29 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Soil Map—Chaves County, New Mexico, Northern Part  
(CR State #002)



Soil Map may not be valid at this scale.



Soil Map—Chaves County, New Mexico, Northern Part  
(CR State #002)

**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 1:24,000.

**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: Chaves County, New Mexico, Northern Part  
Survey Area Data: Version 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

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

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RPD	Roswell-Jalmar fine sands, hilly	4.4	100.0%
<b>Totals for Area of Interest</b>		<b>4.4</b>	<b>100.0%</b>

Map Unit Description: Roswell-Jalmar fine sands, hilly---Chaves County, New Mexico, Northern Part

CR State #002

## Chaves County, New Mexico, Northern Part

### RPD—Roswell-Jalmar fine sands, hilly

#### Map Unit Setting

*National map unit symbol:* dm1q  
*Elevation:* 2,750 to 4,500 feet  
*Mean annual precipitation:* 10 to 17 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 180 to 240 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Roswell and similar soils:* 60 percent  
*Jalmar and similar soils:* 35 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Roswell

##### Setting

*Landform:* Dunes  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Crest  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Eolian deposits

##### Typical profile

*H1 - 0 to 15 inches:* fine sand  
*H2 - 15 to 60 inches:* fine sand

##### Properties and qualities

*Slope:* 2 to 25 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):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 5 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 4.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e

Map Unit Description: Roswell-Jalmar fine sands, hilly---Chaves County, New Mexico, Northern Part

CR State #002

*Hydrologic Soil Group:* A  
*Ecological site:* R070BY061NM - Sandhills  
*Hydric soil rating:* No

### Description of Jalmar

#### Setting

*Landform:* Interdunes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Alluvial and eolian deposits

#### Typical profile

*H1 - 0 to 34 inches:* fine sand  
*H2 - 34 to 60 inches:* fine sand

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 7 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 3.6 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* A  
*Ecological site:* R070BY055NM - Sandy Plains  
*Hydric soil rating:* No

### Minor Components

#### Malstrom

*Percent of map unit:* 2 percent  
*Ecological site:* R070BY055NM - Sandy Plains  
*Hydric soil rating:* No

#### Playa

*Percent of map unit:* 1 percent  
*Landform:* Playas  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave

Map Unit Description: Roswell-Jalmar fine sands, hilly---Chaves County, New Mexico, Northern Part

CR State #002

---

*Ecological site:* R077CY027TX - Playa 16-21" PZ  
*Hydric soil rating:* Yes

**Faskin**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BY055NM - Sandy Plains  
*Hydric soil rating:* No

**Pyote**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BY055NM - Sandy Plains  
*Hydric soil rating:* No

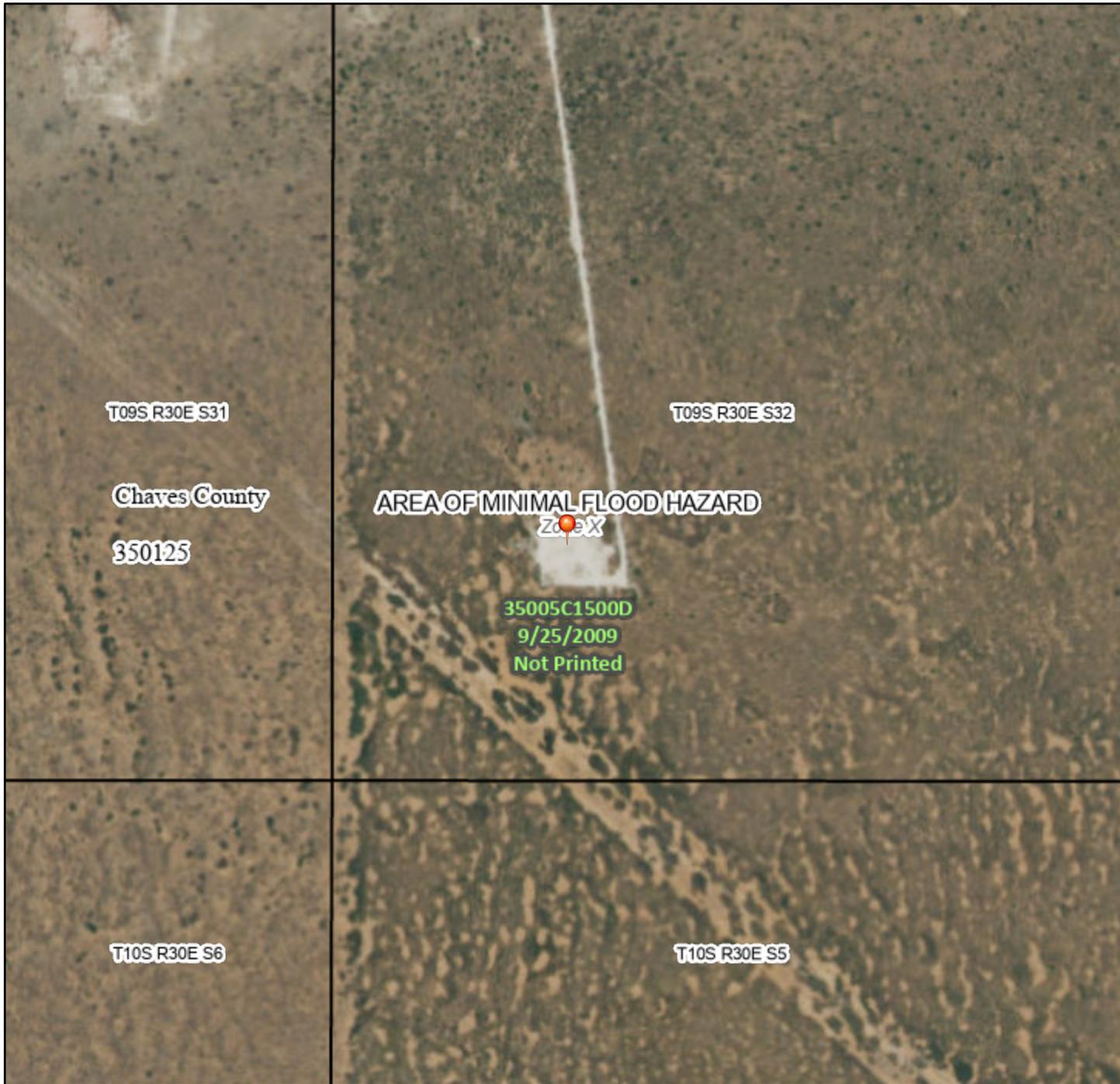
## Data Source Information

Soil Survey Area: Chaves County, New Mexico, Northern Part  
Survey Area Data: Version 19, Sep 7, 2023

# National Flood Hazard Layer FIRMette



103°54'55"W 33°29'18"N



## Legend

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

- |                                    |                  |  |
|------------------------------------|------------------|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |                  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |                  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                                    |                  | Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |                  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                                    |                  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                                    |                  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                                    |                  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| <b>OTHER AREAS</b>                 |                  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |                  | Effective LOMRs  |
|                                    |                  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
| <b>GENERAL STRUCTURES</b>          |                  | Channel, Culvert, or Storm Sewer   |
|                                    |                  | Levee, Dike, or Floodwall  |
| <b>OTHER FEATURES</b>              |                  | 20.2 Cross Sections with 1% Annual Chance  |
|                                    |                  | 17.5 Water Surface Elevation   |
|                                    |                  | Coastal Transect   |
|                                    |                  | Base Flood Elevation Line (BFE)  |
|                                    |                  | Limit of Study   |
|                                    |                  | Jurisdiction Boundary  |
|                                    |                  | Coastal Transect Baseline  |
|                                    | Profile Baseline |  |
| <b>MAP PANELS</b>                  |                  | Digital Data Available   |
|                                    |                  | No Digital Data Available  |
|                                    |                  | Unmapped   |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/27/2023 at 4:47 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 7/22/2024 9:06:21 AM

1:6,000  
Basemap Imagery Source: USGS National Map 2023



## APPENDIX III

C-141 Form

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

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

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

Incident ID	NAPP2208959497
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Wespac <i>Energy</i>	OGRID 260245
Contact Name Kyle Ford	Contact Telephone (830) 214-5308
Contact email kford@fordresources.com	Incident # (assigned by OCD) <i>NAPP 2208959497</i>
Contact mailing address <i>Kford@fordresources.com</i>	

### Location of Release Source

Latitude 33.4840508 Longitude -103.9101639  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: New Mexico CR State #002	Site Type <b>Well pad</b>
Date Release Discovered : Historical	API# (if applicable) <i>30-005-20413</i>

Unit Letter	Section	Township	Range	County
<b>M</b>	<b>32</b>	<b>09S</b>	<b>30E</b>	<b>Chavez</b>

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

### Nature and Volume of Release

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

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

Cause of Release: Historical release

Incident ID	NAPP2208959497
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why: **There was no need for berms or containment devices. Historical spill.**

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle N. Ford Title: Manager  
 Signature: [Signature] Date: 3/30/22  
 email: Kford@fordresources.com Telephone: (210) 310-3135

**OCD Only**  
 Received by: Jocelyn Harimon Date: 03/30/2022

Incident ID	NAPP2208959497
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>280</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2208959497
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle R. Ford Title: Manager  
 Signature: *Kyle R. Ford* Date: 3/30/22  
 email: Kford@fordresources.com Telephone: (210) 310-3135

**OCD Only**

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

Incident ID	
District RP	
Facility ID	
Application ID	

### Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle R Ford Title: Manager  
Signature: [Signature] Date: 3/30/22  
email: Kford@fordresources.com Telephone: (210) 310-3135

**OCD Only**

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

Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: Jennifer Nobui Date: 05/04/2022



## APPENDIX IV

### Photographic Documentation



Ford  
CR State #2  
09.02.2023 11:12 AM  
33.48406, -103.90989  
Unnamed Road, Roswell, NM 88201, USA

**Photograph No.1**  
**Description:**

Drilling of TW-1 in the northeast corner of the pad.



Ford  
CR State #2  
09.02.2023 12:22 PM  
33.48414, -103.90989  
Unnamed Road, Roswell, NM 88201, USA

**Photograph No.2**  
**Description:**

Final view of TW-1.



<b>Photograph No.3</b>	Soil assessment of the pad.
<b>Description:</b>	



<b>Photograph No.4</b>	Well head excavation on pad.
<b>Description:</b>	



**Photograph No.5**  
**Description:**

Soil assessment sampling on the pad.



## APPENDIX V

### Laboratory Reports



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

---

September 29, 2023

DAVID ADKINS  
TALON LPE  
408 W. TEXAS AVE.  
ARTESIA, NM 88210

RE: CR STATE 2

Enclosed are the results of analyses for samples received by the laboratory on 09/26/23 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 1 @ 2' (H235252-01)**

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	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	352	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 1 @ 4' (H235252-02)**

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	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	1840	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 1 @ 10' (H235252-03)**

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	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	5280	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 1 @ 14' (H235252-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	7200	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 2 @ 2' (H235252-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1120	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 2 @ 4' (H235252-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	10000	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 2 @ 10' (H235252-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	8530	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 2 @ 14' (H235252-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	8130	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 3 @ 1' (H235252-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	256	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 4 @ 1' (H235252-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	1020	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 4 @ 4' (H235252-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	6930	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 4 @ 12' (H235252-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2023	ND	1.93	96.5	2.00	4.67	
Toluene*	<0.050	0.050	09/27/2023	ND	2.05	103	2.00	2.61	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.25	112	2.00	5.54	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.51	91.9	6.00	4.65	
Total BTEX	<0.300	0.300	09/27/2023	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	4400	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 4 @ 14' (H235252-13)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	3760	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 5 @ 1' (H235252-14)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	32.0	16.0	09/27/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 6 @ 1' (H235252-15)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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
<b>Chloride</b>	<b>48.0</b>	16.0	09/27/2023	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	09/27/2023	ND	178	89.0	200	2.53	
<b>DRO &gt;C10-C28*</b>	<b>28.6</b>	10.0	09/27/2023	ND	200	100	200	5.86	
<b>EXT DRO &gt;C28-C36</b>	<b>20.5</b>	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 7 @ 1' (H235252-16)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	48.0	16.0	09/27/2023	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	09/28/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 8 @ 2' (H235252-17)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	2880	16.0	09/27/2023	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	09/27/2023	ND	178	89.0	200	2.53	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	200	100	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 8 @ 4' (H235252-18)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	3160	16.0	09/27/2023	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	09/28/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 8 @ 10' (H235252-19)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	4160	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 8 @ 14' (H235252-20)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	3200	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 9 @ 1' (H235252-21)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	112	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 10 @ 1' (H235252-22)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	48.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 11 @ 1' (H235252-23)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	320	16.0	09/27/2023	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	09/28/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 12 @ 1' (H235252-24)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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
<b>Chloride</b>	<b>368</b>	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
<b>DRO &gt;C10-C28*</b>	<b>70.4</b>	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 13 @ 1' (H235252-25)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	48.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 14 @ 1' (H235252-26)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	48.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 15 @ 1' (H235252-27)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	16.0	16.0	09/27/2023	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	09/28/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 16 @ 1' (H235252-28)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	09/27/2023	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	09/28/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 17 @ 1' (H235252-29)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	32.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 18 @ 1' (H235252-30)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	<16.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 19 @ 1' (H235252-31)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	32.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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:	09/26/2023	Sampling Date:	09/21/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	CR STATE 2	Sampling Condition:	Cool & Intact
Project Number:	700497.005.01	Sample Received By:	Shalyn Rodriguez
Project Location:	FORD - CHAVES COUNTY		

**Sample ID: S - 20 @ 1' (H235252-32)**

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	09/28/2023	ND	1.98	98.8	2.00	0.691	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.75	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.11	102	6.00	0.824	
Total BTEX	<0.300	0.300	09/28/2023	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	16.0	16.0	09/27/2023	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	09/27/2023	ND	184	92.1	200	0.928	
DRO >C10-C28*	<10.0	10.0	09/27/2023	ND	199	99.7	200	1.02	
EXT DRO >C28-C36	<10.0	10.0	09/27/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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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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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: D. Adkins
Address: 408 W. Texas Ave
City: Artesia State: NM Zip: 88210
Phone #: 575.746.8768 Fax #:
Project #: 700497.005.01 Project Owner: Ford Resources
Project Name: CR State 2
Project Location: Chaves County
Sampler Name: R. Pacheco
BILL TO ANALYSIS REQUEST
FOR LAB USE ONLY
Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV. SAMPLING
GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME CL BTEX TPH

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Relinquished By: [Signature] Date: 9-20-23 Time: 1:45 Received By: [Signature]
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -2-7c #140 Sample Condition Cool Intact Yes No Checked By: [Signature]
Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:
REMARKS:
Page 2 of 4

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



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: D. Adkins
Address: 408 W. Texas Ave
City: Artesia State: NM Zip: 88210
Phone #: 575.746.8768 Fax #:
Project #: 700497.005.01 Project Owner: Ford Resources
Project Name: CR State 2
Project Location: Chaves County
Sampler Name: R. Pacheco
BILL TO ANALYSIS REQUEST
FOR LAB USE ONLY
Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV. SAMPLING
GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME CL BTEX TPH

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

Relinquished By: [Signature] Date: 9/21/23 Time: 1345
Received By: [Signature] Date: [Blank] Time: [Blank]
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -2.72 #140
Sample Condition Cool Intact Yes No
CHECKED BY: [Signature] (Initials)
Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:
REMARKS:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: COMPANY NAME, BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV, SAMPLING. Includes handwritten entries like 'H235252', '31', '32', and 'S-19 @ 1''.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form with sections: Relinquished By, Received By, Delivered By, Sample Condition, CHECKED BY, Phone Result, Fax Result, REMARKS. Includes handwritten signatures and dates.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 363624

**QUESTIONS**

Operator: WESPAC ENERGY, LLC 8620 North New Braunfels Ave. San Antonio, TX 78217	OGRID: 260245
	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2208959497
Incident Name	NAPP2208959497 CR STATE 2 @ 30-005-20413
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-005-20413] NEW MEXICO CR STATE #002

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	CR STATE 2
Date Release Discovered	03/01/2022
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Normal Operations   Injection Well   Crude Oil   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations   Flow Line - Injection   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Normal Operations   Flow Line - Production   Condensate   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	Cause: Normal Operations   Injection Well   Natural Gas Vented   Released: 0 Mcf (Unknown Released Amount)   Recovered: 0 Mcf   Lost: 0 Mcf.
Natural Gas Flared (Mcf) Details	Cause: Normal Operations   Injection Well   Natural Gas Flared   Released: 0 Mcf (Unknown Released Amount)   Recovered: 0 Mcf   Lost: 0 Mcf.
Other Released Details	Cause: Normal Operations   Injection Well   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The CR State 2 was used as a saltwater disposal well.

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

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

QUESTIONS, Page 2

Action 363624

**QUESTIONS (continued)**

Operator: WESPAC ENERGY, LLC 8620 North New Braunfels Ave. San Antonio, TX 78217	OGRID: 260245
	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (3) an unauthorized release of gases exceeding 500 MCF.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Kyle Ford Title: Manager Email: kford@fordresources.com Date: 07/12/2024
--	---

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 363624

**QUESTIONS (continued)**

Operator: WESPAC ENERGY, LLC 8620 North New Braunfels Ave. San Antonio, TX 78217	OGRID: 260245
	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

**Site Characterization**  
*Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

*Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	10000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	70.4
GRO+DRO (EPA SW-846 Method 8015M)	70.4
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

*Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.*

On what estimated date will the remediation commence	08/12/2024
On what date will (or did) the final sampling or liner inspection occur	10/12/2024
On what date will (or was) the remediation complete(d)	10/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	6400
What is the estimated volume (in cubic yards) that will be reclaimed	2370
What is the estimated surface area (in square feet) that will be remediated	5200
What is the estimated volume (in cubic yards) that will be remediated	750

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 363624

**QUESTIONS (continued)**

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**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Kyle Ford Title: Manager Email: kford@fordresources.com Date: 07/12/2024
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 363624

**QUESTIONS (continued)**

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	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 363624

**QUESTIONS (continued)**

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	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 363624

**CONDITIONS**

Operator: WESPAC ENERGY, LLC 8620 North New Braunfels Ave. San Antonio, TX 78217	OGRID: 260245
	Action Number: 363624
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	1. OCD approves sampling frequency increase to 400 square feet per one (1) five (5) point composite samples (5pcs). Sidewalls must maintain sampling frequency of 200 square feet per one (1) 5pcs. 2. Wespac Energy has 90-days (October 21, 2024) to submit to OCD its appropriate or final remediation closure report.	7/22/2024