

Incident ID	nAPP2222026306
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>&lt;50</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 ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2222026306
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: Dale Woodall Title: EHS ProfessionalSignature: Dale Woodall Date: 3/6/2023email: dale.woodall@dvn.com Telephone: 405-318-4697**OCD Only**Received by: Jocelyn Harimon Date: 03/06/2023

Incident ID	nAPP2222026306
District RP	
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## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional  
Signature: Dale Woodall Date: 3/6/2023  
email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

Received by: Jocelyn Harimon Date: 03/06/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



**Pima Environmental Services**  
**5614 N. Lovington Highway**  
**Hobbs, NM 88240**  
**575-964-7740**

March 3, 2023

NMOCD District 2  
 811 S. First Street  
 Artesia, NM 88210

**Re: Site Assessment, Remediation, and Closure Report**  
**Marwari 28 CTB 1**  
**API No. N/A**  
**GPS: Latitude 32.106210 Longitude -103.687828**  
**UL -- D, 4, T25S, R32E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2222026306**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water release that occurred at the Marwari 28 CTB 1 (Marwari). The initial C-141 was submitted on August 18, 2022 (Appendix C). This incident was assigned Incident ID NAPP2222026306 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Marwari is located approximately twenty-four (24) miles southeast of Malaga, NM. This spill site is in Unit D, Section 4, Township 25S, Range 32E, Latitude 32.106210 Longitude -103.687828, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote loamy fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Marwari (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 350 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 290 feet BGS. The closest waterway is Red Bluff Reservoir located approximately 18 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Marwari 28 CTB 1|Devon Energy



**Release Information**

**NAPP2222026306:** On August 4, 2022, fluid was released from a separator. The released fluids were calculated to be approximately 7 barrels (bbls) of produced water. No fluid was able to recover.

**Remediation Activities, Site Assessment, and Soil Sampling Results**

On October 4, 2022, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

**10-4-22 Soil Sample Results**

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)								
DEVON ENERGY - MARWARI 28 CTB 1								
Sample Date: 10/4/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
S-1	1'	28.7	0.217	303	14700	4490	19521.917	8060
	2'	ND	ND	ND	ND	ND	0	569
	3'	0.0339	ND	ND	ND	ND	0.0339	240
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	32	0.621	393	16400	5090	21915.621	8040
	2'	ND	ND	ND	ND	ND	0	460
	3'	0.0773	ND	ND	ND	ND	0.0773	324
	4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On January 18, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 26, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

**1-26-23 Confirmation Sample Results**

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)								
DEVON ENERGY - MARWARI 28 CTB 1								
Sample Date: 1/26/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS 1	2'	ND	ND	ND	ND	ND	0	ND
CS 2	2'	ND	ND	ND	ND	ND	0	ND
CS 3	2'	ND	ND	ND	ND	ND	0	ND
CS 4	2'	ND	ND	ND	ND	ND	0	ND
CS 5	2'	ND	ND	ND	ND	ND	0	ND
CS 6	2'	ND	ND	ND	ND	ND	0	ND
CS 7	2'	ND	ND	ND	ND	ND	0	ND
CS 8	2'	ND	ND	ND	ND	ND	0	ND
CS 9	2'	ND	ND	ND	ND	ND	0	ND
CS 10	2'	ND	ND	ND	ND	ND	0	ND
CS 11	2'	ND	ND	ND	ND	ND	0	ND
CSW 1	2'	ND	ND	ND	ND	ND	0	ND
CSW 2	2'	ND	ND	ND	ND	ND	0	ND
CSW 3	2'	ND	ND	ND	ND	ND	0	ND
CSW 4	2'	ND	ND	ND	ND	ND	0	ND
CSW 5	2'	ND	ND	ND	ND	ND	0	ND
CSW 6	2'	ND	ND	ND	ND	ND	0	ND
CSW 7	2'	ND	ND	ND	ND	ND	0	ND
CSW 8	2'	ND	ND	ND	ND	ND	0	ND
CSW 9	2'	ND	ND	ND	ND	ND	0	ND
CSW 10	2'	ND	ND	ND	ND	ND	0	ND
CSW 11	2'	ND	ND	ND	ND	ND	0	ND
CSW 12	2'	ND	ND	ND	ND	ND	0	ND
CSW 13	2'	ND	ND	ND	ND	ND	0	ND
CSW 14	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

#### **Closure Request**

After careful review, Pima requests that this incident, NAPP2222026306 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or [gio@pimaoil.com](mailto:gio@pimaoil.com).

Respectfully,



Gio Gomez  
Project Manager  
Pima Environmental Services, LLC

#### **Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



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**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map



5-Confirmation Sample Map

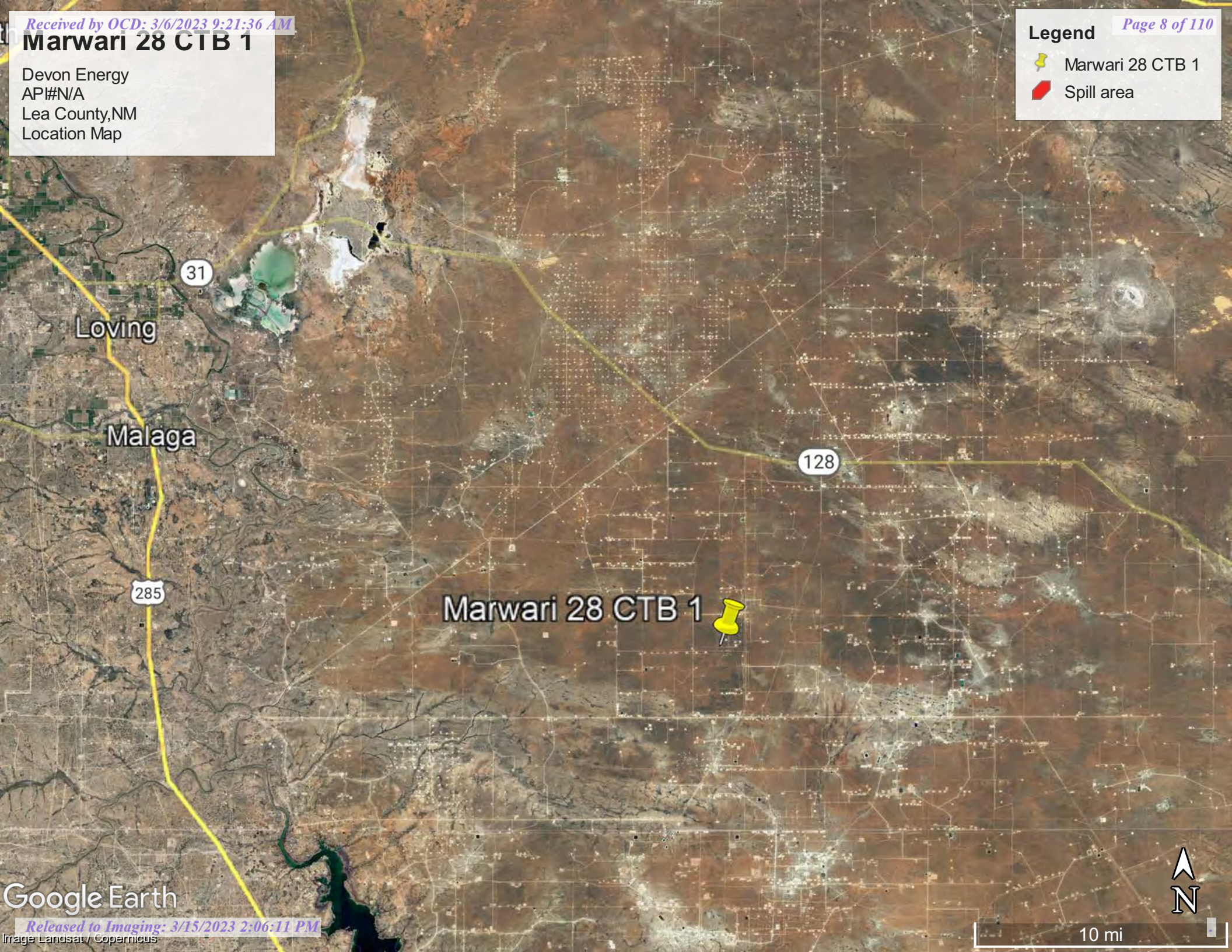


# Marwari 28 CTB 1

Devon Energy  
API#N/A  
Lea County, NM  
Location Map

## Legend

-  Marwari 28 CTB 1
-  Spill area



Google Earth

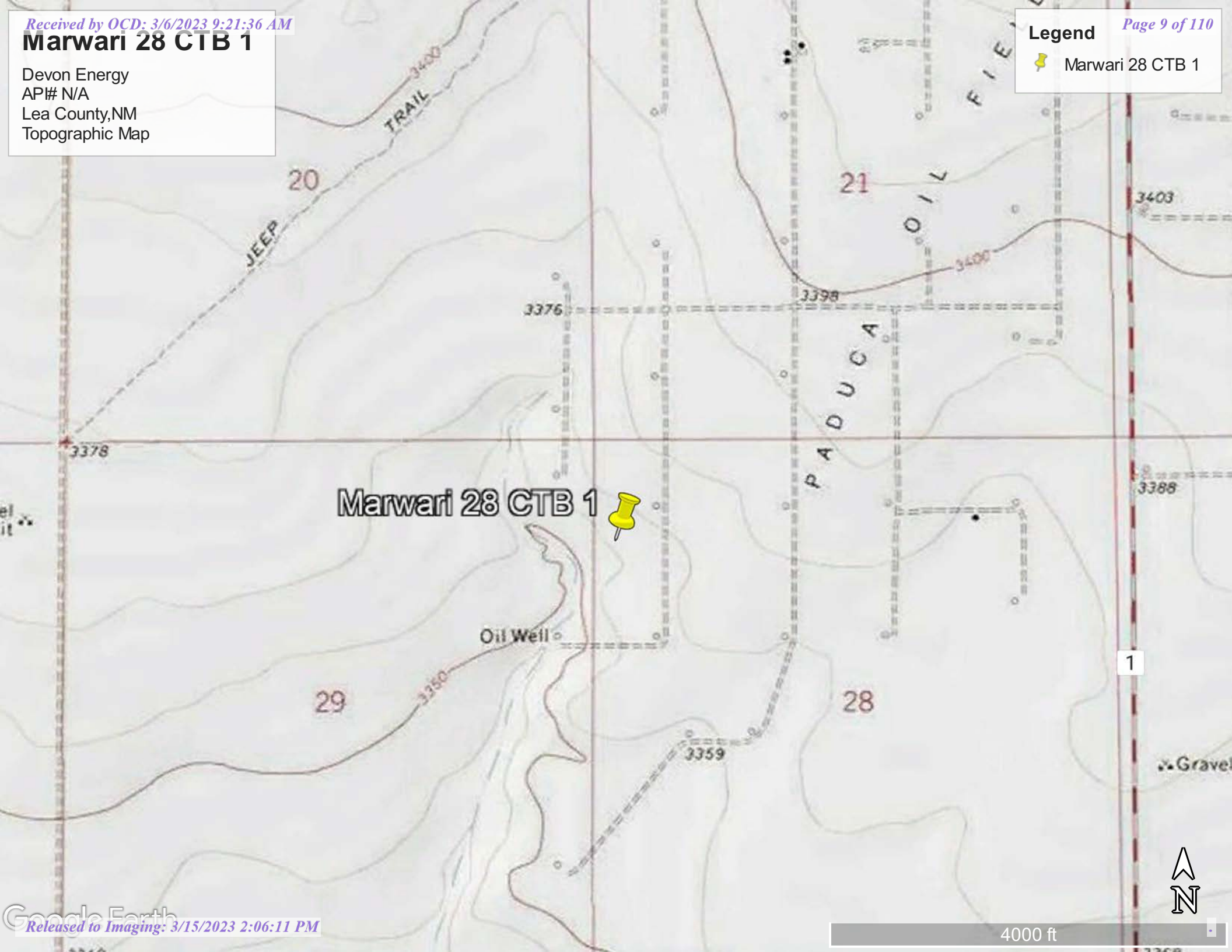


10 mi







### Legend

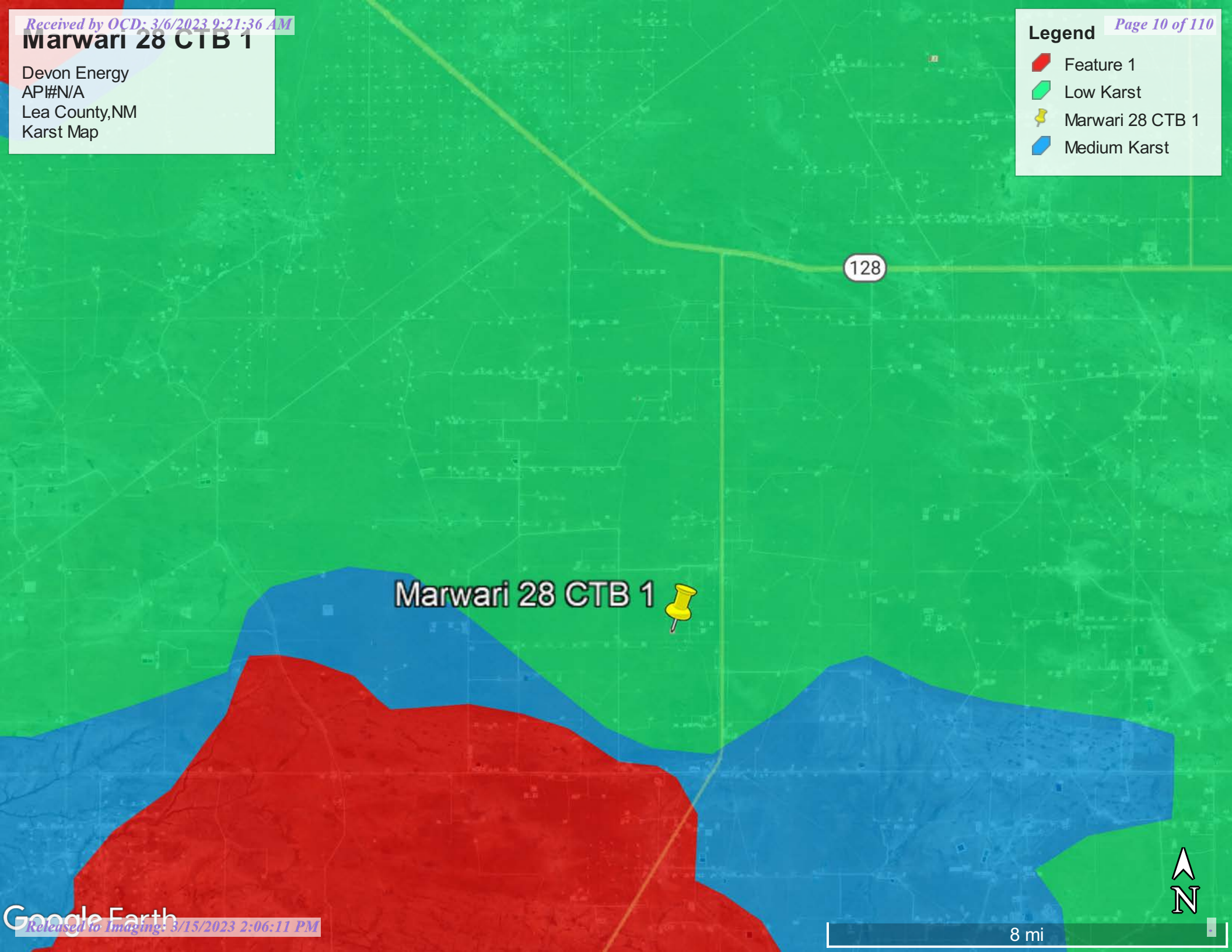
📌 Marwari 28 CTB 1



# Marwari 28 CTB 1

Devon Energy  
API#N/A  
Lea County, NM  
Karst Map

-  Feature 1
-  Low Karst
-  Marwari 28 CTB 1
-  Medium Karst



Marwari 28 CTB 1 





# Marwari 28 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Site Map

## Legend

- Background/Sidewalls
- Marwari 28 CTB 1
- Samples
- Spill Area



200 ft

Google Earth



# Marwari 28 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Confirmation Sample Map

## Legend

- Confirmation Samples
- Confirmation Sidewalls
- Marwari 28 CTB 1

Marwari 28 CTB 1

CSW3 CSW2  
CS2 CSW1  
CSW7 CSW6  
CSW8 CSW5  
CSW11 CSW10  
CSW12 CS6 CSW9  
CSW13 CS11 CSW14

Google Earth



100 ft





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C_03829 POD1</a>		CUB	LE	3	3	1	06	26S	32E	620628	3549186	4916	646	350	296
<a href="#">C_03554 POD1</a>		CUB	ED	2	1	4	01	26S	31E	620547	3549148	4998	630	300	330

Average Depth to Water: **325 feet**

Minimum Depth: **300 feet**

Maximum Depth: **350 feet**

**Record Count:** 2

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 623816.56

**Northing (Y):** 3552929.67

**Radius:** 5000

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.

6/17/22 9:44 AM

WATER COLUMN/ AVERAGE DEPTH TO  
WATER



[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation



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

## Search Results -- 1 sites found

site\_no list =

- 321005103402301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 321005103402301 24S.32E.33.42241

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83

Land-surface elevation 3,499.00 feet above NGVD29

The depth of the well is 367 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

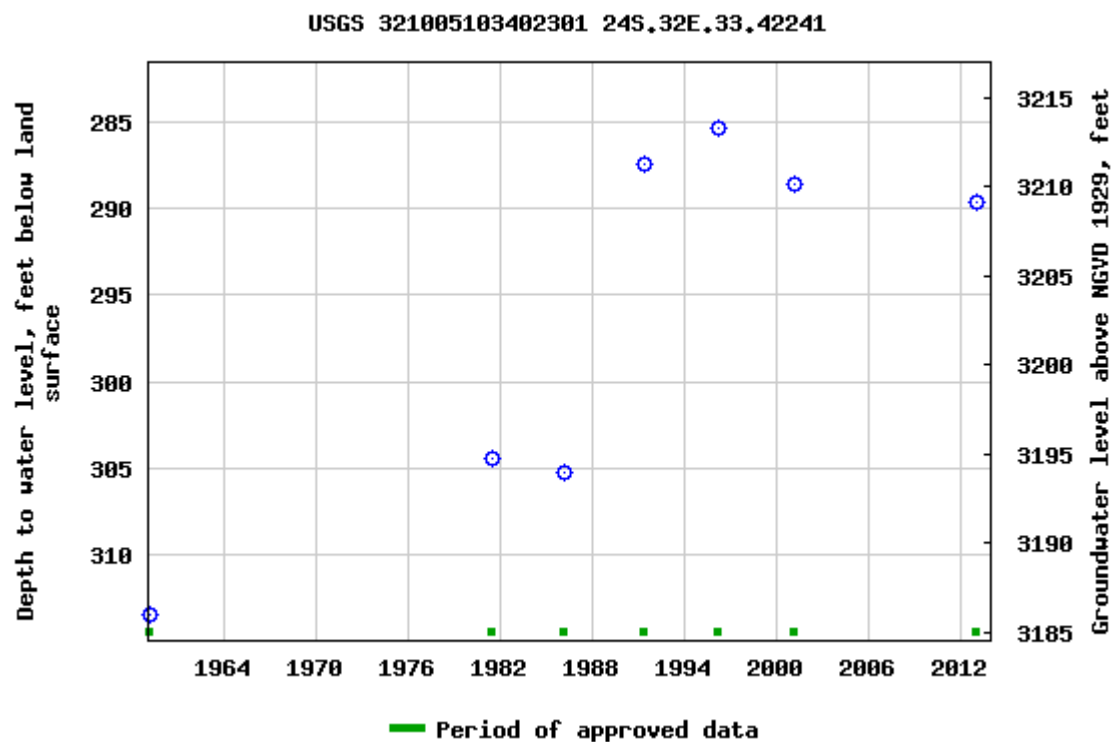
### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for USA: Water Levels**

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-06-17 11:41:58 EDT

0.72 0.62 nadww01





# Marwari 28 CTB 1

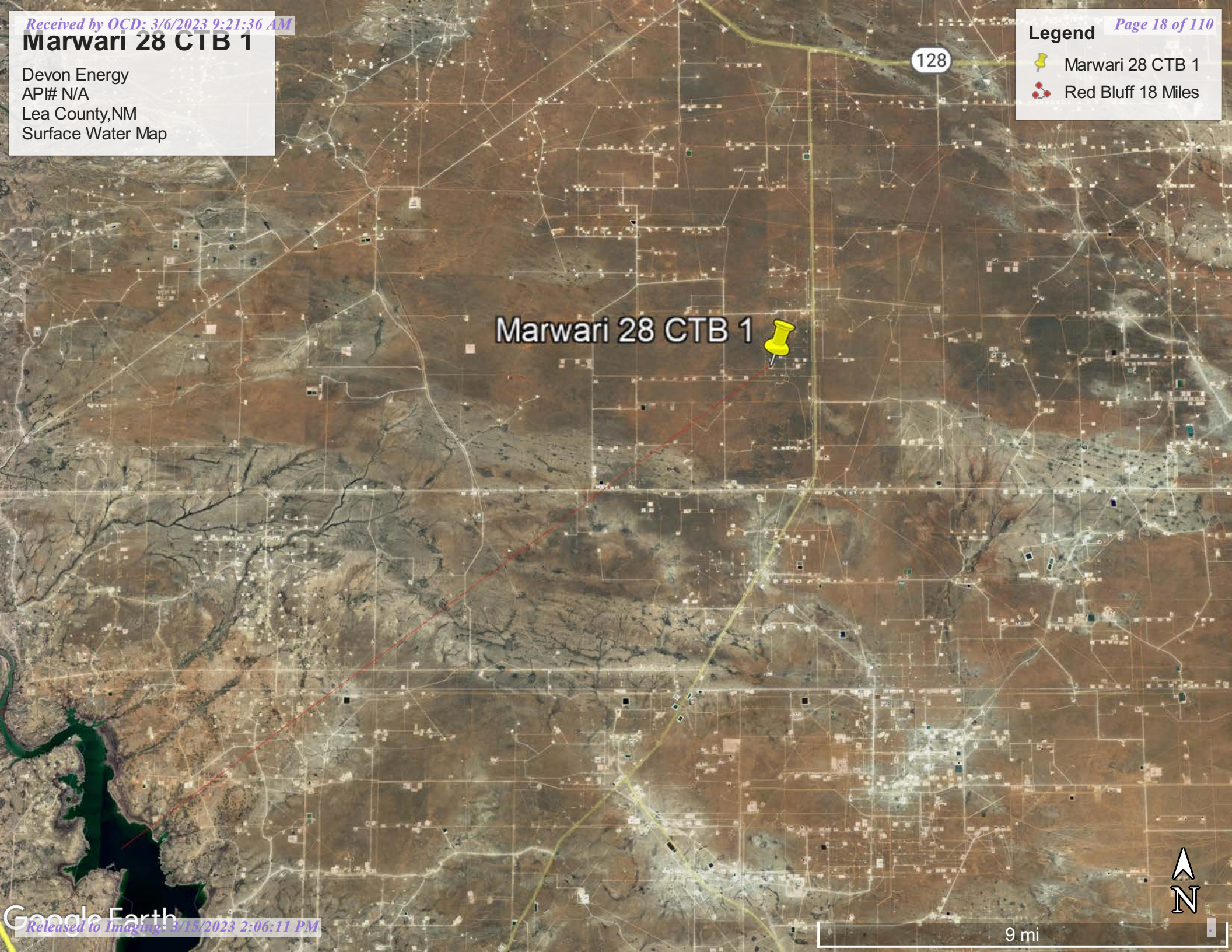
Devon Energy  
API# N/A  
Lea County, NM  
Surface Water Map

Legend

Page 18 of 110

 Marwari 28 CTB 1

 Red Bluff 18 Miles



128

Marwari 28 CTB 1



9 mi





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**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

---

## Lea County, New Mexico

### PT—Pyote loamy fine sand

#### Map Unit Setting

*National map unit symbol:* dmqp

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 200 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Pyote and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 25 inches:* loamy fine sand

*Bt - 25 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 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 5.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 7s



Map Unit Description: Pyote loamy fine sand---Lea County, New Mexico

---

*Hydrologic Soil Group:* A  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

#### **Minor Components**

##### **Maljamar**

*Percent of map unit:* 8 percent  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

##### **Palomas**

*Percent of map unit:* 7 percent  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 18, Sep 10, 2021



# National Flood Hazard Layer FIRMette



103°41'34"W 32°6'36"N



## Legend

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

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



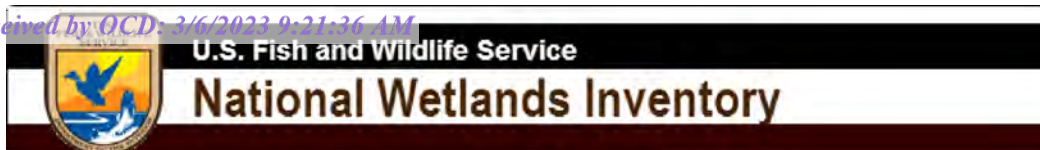
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2022 at 11:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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





## Wetlands Map



January 24, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Pima Environmental Services

**Appendix C**

C-141 Form

48-Hour Notification

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> 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

Incident ID	
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 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*

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Kendra Ruiz</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>08/18/2022</u>

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 135498

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 135498
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/18/2022

Incident ID	nAPP2222026306
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>&lt;50</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 ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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



State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2222026306
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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

email: dale.woodall@dnv.com Telephone: 405-318-4697

**OCD Only**

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

Incident ID	nAPP2222026306
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional  
Signature: Dale Woodall Date: 3/6/2023  
email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 03/15/2023  
Printed Name: Jennifer Nobui Title: Environmental Specialist A



Gio PimaOil <gio@pimaoil.com>

---

## Confirmation of Sampling Marwari 28 CTB 1

1 message

---

Gio PimaOil <gio@pimaoil.com>

Mon, Jan 23, 2023 at 1:10 PM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

*Good Afternoon,*

*Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Marwari 28 CTB 1 for incidents NAPP2201145173 & NAPP2222026306 . Pima personnel are scheduled to be on site for this sampling event at approximately 8:00 a.m. on Thursday, January 26, 2023. If you have any questions or concerns, please let me know. Thank you.*

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

**Pima Environmental Services, LLC.**



Pima Environmental Services

## **Appendix D**

Photographic Documentation



**SITE PHOTOGRAPHS  
DEVON ENERGY  
MARWARI 28 CTB 1**

**Site Assessment**







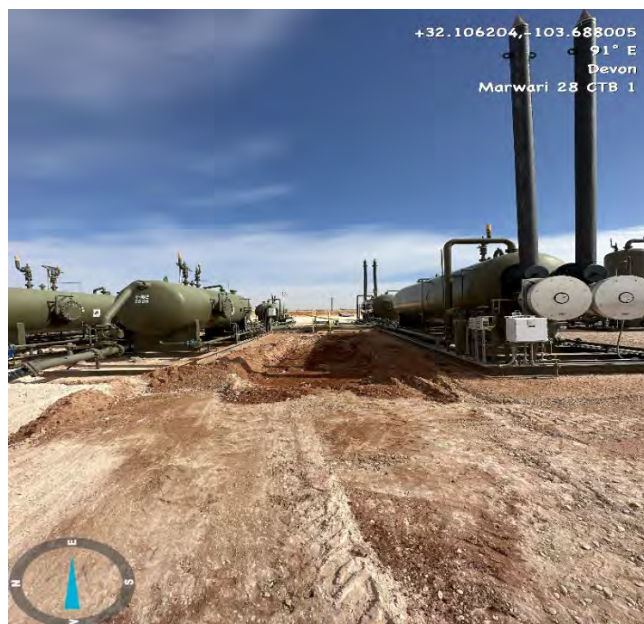
## Excavation















Post Excavation









Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Marwari 28 CTB 1

Work Order: E210031

Job Number: 01058-0007

Received: 10/7/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/13/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/13/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Marwari 28 CTB 1  
Workorder: E210031  
Date Received: 10/7/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/7/2022 10:30:00AM, under the Project Name: Marwari 28 CTB 1.

The analytical test results summarized in this report with the Project Name: Marwari 28 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
BG1	6
BG2	7
SW1	8
SW2	9
SW3	10
SW4	11
S1 1'	12
S1 2'	13
S1 3'	14
S1 4'	15
S2 1'	16
S2 2'	17
S2 3'	18
S2 4'	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/13/22 12:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E210031-01A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
BG2	E210031-02A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW1	E210031-03A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW2	E210031-04A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW3	E210031-05A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
SW4	E210031-06A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 1'	E210031-07A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 2'	E210031-08A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 3'	E210031-09A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S1 4'	E210031-10A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 1'	E210031-11A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 2'	E210031-12A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 3'	E210031-13A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.
S2 4'	E210031-14A	Soil	10/04/22	10/07/22	Glass Jar, 4 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## BG1

## E210031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.0 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/10/22	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		10/10/22	10/10/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## BG2

## E210031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.2 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/10/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/10/22	10/10/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## SW1

## E210031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.6 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## SW2

## E210031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## SW3

## E210031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.0 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

## SW4

## E210031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	ND	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S1 I'

E210031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	0.217	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	3.65	0.0250	1	10/10/22	10/11/22	
Toluene	7.21	0.0250	1	10/10/22	10/11/22	
o-Xylene	7.92	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	20.8	0.0500	1	10/10/22	10/11/22	
Total Xylenes	28.7	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		124 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	303	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		116 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	14700	250	10	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	4490	500	10	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		250 %	50-200	10/10/22	10/11/22	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	8060	200	10	10/11/22	10/12/22	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S1 2'

E210031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/12/22	
Toluene	ND	0.0250	1	10/10/22	10/12/22	
o-Xylene	ND	0.0250	1	10/10/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/12/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/10/22	10/12/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/12/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.2 %	70-130	10/10/22	10/12/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	569	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S1 3'

E210031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	0.0542	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	0.0339	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	0.0339	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	240	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S1 4'

E210031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		126 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S2 1'

E210031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	0.621	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	4.15	0.0250	1	10/10/22	10/11/22	
Toluene	10.0	0.0250	1	10/10/22	10/11/22	
o-Xylene	8.88	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	23.1	0.0500	1	10/10/22	10/11/22	
Total Xylenes	32.0	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	393	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	113 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	16400	250	10	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	5090	500	10	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
	268 %	50-200		10/10/22	10/11/22	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	8040	200	10	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S2 2'

E210031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Benzene	ND	0.0250	1	10/10/22	10/13/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/13/22	
Toluene	ND	0.0250	1	10/10/22	10/13/22	
o-Xylene	ND	0.0250	1	10/10/22	10/13/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/13/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/13/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/10/22	10/13/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2242002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/13/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.8 %	70-130	10/10/22	10/13/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241100
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2242025
Chloride	460	20.0	1	10/11/22	10/12/22	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S2 3'

E210031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	0.0534	0.0250	1	10/10/22	10/11/22	
Toluene	0.0274	0.0250	1	10/10/22	10/11/22	
o-Xylene	0.0773	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	0.0773	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	324	20.0	1	10/11/22	10/12/22	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
10/13/2022 12:41:47PM

S2 4'

E210031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Benzene	ND	0.0250	1	10/10/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/10/22	10/11/22	
Toluene	ND	0.0250	1	10/10/22	10/11/22	
o-Xylene	ND	0.0250	1	10/10/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/10/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/10/22	10/11/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2242002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/22	10/11/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.2 %	70-130	10/10/22	10/11/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241100	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/22	10/11/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/10/22	10/11/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2242025	
Chloride	ND	20.0	1	10/11/22	10/12/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b> 10/13/2022 12:41:47PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2242002-BLK1)

Prepared: 10/10/22 Analyzed: 10/11/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

## LCS (2242002-BS1)

Prepared: 10/10/22 Analyzed: 10/11/22

Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.00	0.0250	5.00		80.0	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.06	0.0250	5.00		81.2	70-130			
p,m-Xylene	8.12	0.0500	10.0		81.2	70-130			
Total Xylenes	12.2	0.0250	15.0		81.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			

## LCS Dup (2242002-BSD1)

Prepared: 10/10/22 Analyzed: 10/11/22

Benzene	5.54	0.0250	5.00		111	70-130	8.15	20	
Ethylbenzene	4.30	0.0250	5.00		86.0	70-130	7.22	20	
Toluene	4.64	0.0250	5.00		92.8	70-130	7.78	20	
o-Xylene	4.39	0.0250	5.00		87.7	70-130	7.73	20	
p,m-Xylene	8.70	0.0500	10.0		87.0	70-130	6.90	20	
Total Xylenes	13.1	0.0250	15.0		87.2	70-130	7.18	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/13/2022 12:41:47PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2242002-BLK1)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

## LCS (2242002-BS2)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0		78.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

## LCS Dup (2242002-BSD2)

Prepared: 10/10/22 Analyzed: 10/11/22

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.9	70-130	5.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:  10/13/2022 12:41:47PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241100-BLK1)					Prepared: 10/10/22 Analyzed: 10/10/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2241100-BS1)					Prepared: 10/10/22 Analyzed: 10/10/22				
Diesel Range Organics (C10-C28)	190	25.0	250		76.0	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2241100-MS1)					Source: E210031-02		Prepared: 10/10/22 Analyzed: 10/10/22		
Diesel Range Organics (C10-C28)	174	25.0	250	ND	69.6	38-132			
Surrogate: n-Nonane	39.0		50.0		78.1	50-200			

Matrix Spike Dup (2241100-MSD1)					Source: E210031-02		Prepared: 10/10/22 Analyzed: 10/10/22		
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132	22.8	20	R3
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/13/2022 12:41:47PM

## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2242025-BLK1)

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride ND 20.0

## LCS (2242025-BS1)

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride 251 20.0 250 100 90-110

## Matrix Spike (2242025-MS1)

Source: E210031-01

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride 249 20.0 250 ND 99.5 80-120

## Matrix Spike Dup (2242025-MSD1)

Source: E210031-01

Prepared: 10/11/22 Analyzed: 10/12/22

Chloride 251 20.0 250 ND 100 80-120 0.967 20

## QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/13/22 12:41

- R3      The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S5      Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 2

Client: <b>Pima Environmental Services</b>					Bill To		Lab Use Only		TAT				EPA Program			
Project: <b>Marwari 28 CTB1</b>					Attention: <b>DEVON ENERGY</b>		Lab WO# <b>E 210031</b>		Job Number <b>01058-0007</b>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <b>Tom Bynum</b>					Address:		Analysis and Method							RCRA		
Address: <b>5614 N. Lovington Hwy.</b>					City, State, Zip									State		
City, State, Zip <b>Hobbs, NM. 88240</b>					Phone:									NM CO UT AZ TX		
Phone: <b>580-748-1613</b>					Email:									X		
Email: <b>tom@pimaoil.com</b>					Pima Project # <b>1-139</b>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks		
8:00	10/4/22	S	1	BQ1	1							X				
8:05				BQ2	2											
8:10				SW1	3											
8:15				SW2	4											
8:20				SW3	5											
8:25				SW4	6											
8:30				S11'	7											
8:35				S12'	8											
8:40				S13'	9											
8:45				S14	10											
Additional Instructions: <b>21059023</b>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Sampled by: <b>Ned Rogers</b>										Lab Use Only						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <b>(Y) N</b>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <b>4</b>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																





## Envirotech Analytical Laboratory

Printed: 10/7/2022 11:25:42AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/07/22 10:30	Work Order ID:	E210031
Phone:	(575) 631-6977	Date Logged In:	10/06/22 16:40	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/13/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Marwari 28 CTB 1

Work Order: E301138

Job Number: 01058-0007

Received: 1/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/31/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/31/23

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Marwari 28 CTB 1  
Workorder: E301138  
Date Received: 1/28/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: Marwari 28 CTB 1.

The analytical test results summarized in this report with the Project Name: Marwari 28 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
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Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1	6
CS2	7
CS3	8
CS4	9
CS5	10
CS6	11
CS7	12
CS8	13
CS9	14
CS10	15
CS11	16
CSW1	17
CSW2	18
CSW3	19
CSW4	20
CSW5	21
CSW6	22
CSW7	23
CSW8	24
CSW9	25



## Table of Contents (continued)

CSW10	26
CSW11	27
CSW12	28
CSW13	29
CSW14	30
QC Summary Data	31
QC - Volatile Organic Compounds by EPA 8260B	31
QC - Nonhalogenated Organics by EPA 8015D - GRO	33
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	35
QC - Anions by EPA 300.0/9056A	37
Definitions and Notes	39
Chain of Custody etc.	40

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b> 01/31/23 15:49
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E301138-01A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS2	E301138-02A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS3	E301138-03A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS4	E301138-04A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS5	E301138-05A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS6	E301138-06A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS7	E301138-07A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS8	E301138-08A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS9	E301138-09A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS10	E301138-10A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CS11	E301138-11A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW1	E301138-12A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW2	E301138-13A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW3	E301138-14A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW4	E301138-15A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW5	E301138-16A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW6	E301138-17A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW7	E301138-18A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW8	E301138-19A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW9	E301138-20A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW10	E301138-21A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW11	E301138-22A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW12	E301138-23A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW13	E301138-24A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CSW14	E301138-25A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS1

## E301138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	94.5 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	40.0	2	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS2

## E301138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.1 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.1 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	92.1 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS3

## E301138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	94.9 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS4

## E301138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	94.5 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS5

## E301138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.2 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.2 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	97.1 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS6

## E301138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	89.8 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	89.8 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	95.2 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

CS7

E301138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	96.3 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS8

## E301138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	98.4 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS9

## E301138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	94.7 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	95.0 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS10

## E301138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	90.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	94.8 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CS11

## E301138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	94.5 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW1

## E301138-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	102 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW2

## E301138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	97.0 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW3

## E301138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	102 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW4

## E301138-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	101 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW5

## E301138-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	102 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	98.1 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW6

## E301138-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.5 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW7

## E301138-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	92.9 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	98.6 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW8

## E301138-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	90.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	90.0 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	104 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW9

## E301138-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		01/27/23	01/28/23	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/27/23	01/28/23	
Surrogate: Toluene-d8	103 %	70-130		01/27/23	01/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304059
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	101 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305004
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW10

## E301138-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/29/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/29/23	
Toluene	ND	0.0250	1	01/27/23	01/29/23	
o-Xylene	ND	0.0250	1	01/27/23	01/29/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/29/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/29/23	
Surrogate: Bromofluorobenzene	91.6 %	70-130		01/27/23	01/29/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		01/27/23	01/29/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/29/23	
Surrogate: Bromofluorobenzene	91.6 %	70-130		01/27/23	01/29/23	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		01/27/23	01/29/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	101 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW11

## E301138-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/29/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/29/23	
Toluene	ND	0.0250	1	01/27/23	01/29/23	
o-Xylene	ND	0.0250	1	01/27/23	01/29/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/29/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/29/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		01/27/23	01/29/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/27/23	01/29/23	
Surrogate: Toluene-d8	100 %	70-130		01/27/23	01/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/29/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		01/27/23	01/29/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/27/23	01/29/23	
Surrogate: Toluene-d8	100 %	70-130		01/27/23	01/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	99.3 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW12

## E301138-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	100 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW13

## E301138-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	100 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Marwari 28 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/31/2023 3:49:15PM

## CSW14

## E301138-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Benzene	ND	0.0250	1	01/27/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/30/23	
Toluene	ND	0.0250	1	01/27/23	01/30/23	
o-Xylene	ND	0.0250	1	01/27/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	105 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2304056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/30/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		01/27/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/27/23	01/30/23	
Surrogate: Toluene-d8	105 %	70-130		01/27/23	01/30/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2304060
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/23	01/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/23	01/29/23	
Surrogate: n-Nonane	98.9 %	50-200		01/28/23	01/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305002
Chloride	ND	20.0	1	01/30/23	01/30/23	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b>  1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304055-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

## LCS (2304055-BS1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.50	0.0250	2.50		100	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.2	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.59	0.0250	2.50		104	70-130			
p,m-Xylene	4.99	0.0500	5.00		99.7	70-130			
Total Xylenes	7.58	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

## LCS Dup (2304055-BSD1)

Prepared: 01/27/23 Analyzed: 01/28/23

Benzene	2.62	0.0250	2.50		105	70-130	4.59	23	
Ethylbenzene	2.61	0.0250	2.50		104	70-130	4.92	27	
Toluene	2.67	0.0250	2.50		107	70-130	4.40	24	
o-Xylene	2.75	0.0250	2.50		110	70-130	5.82	27	
p,m-Xylene	5.24	0.0500	5.00		105	70-130	4.91	27	
Total Xylenes	7.99	0.0250	7.50		106	70-130	5.22	27	
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b>  1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## LCS (2304056-BS1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.82	0.0250	2.50		113	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.22	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## LCS Dup (2304056-BSD1)

Prepared: 01/27/23 Analyzed: 01/30/23

Benzene	2.74	0.0250	2.50		109	70-130	3.10	23	
Ethylbenzene	2.83	0.0250	2.50		113	70-130	5.55	27	
Toluene	2.89	0.0250	2.50		115	70-130	5.68	24	
o-Xylene	2.97	0.0250	2.50		119	70-130	5.32	27	
p,m-Xylene	5.70	0.0500	5.00		114	70-130	5.41	27	
Total Xylenes	8.68	0.0250	7.50		116	70-130	5.38	27	
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b> 1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304055-BLK1)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

## LCS (2304055-BS2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

## LCS Dup (2304055-BSD2)

Prepared: 01/27/23 Analyzed: 01/28/23

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	4.13	20	
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	<b>Reported:</b> 1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2304056-BLK1)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.464		0.500		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## LCS (2304056-BS2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

## LCS Dup (2304056-BSD2)

Prepared: 01/27/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	58.2	20.0	50.0		116	70-130	6.39	20	
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:  1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304059-BLK1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

LCS (2304059-BS1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	214	25.0	250		85.7	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

Matrix Spike (2304059-MS1)					Source: E301138-02		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.0	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			

Matrix Spike Dup (2304059-MSD1)					Source: E301138-02		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132	5.22	20	
Surrogate: n-Nonane	48.5		50.0		97.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:  1/31/2023 3:49:15PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2304060-BLK1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS (2304060-BS1)					Prepared: 01/28/23 Analyzed: 01/29/23				
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			

Matrix Spike (2304060-MS1)					Source: E301139-05		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			

Matrix Spike Dup (2304060-MSD1)					Source: E301139-05		Prepared: 01/28/23 Analyzed: 01/29/23		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	3.67	20	
Surrogate: n-Nonane	46.2		50.0		92.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:49:15PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305002-BLK1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	ND	20.0							
LCS (2305002-BS1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2305002-BSD1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Chloride	254	20.0	250		101	90-110	1.35	20	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2023 3:49:15PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305004-BLK1)					Prepared: 01/30/23 Analyzed: 01/31/23				
Chloride	ND	20.0							
LCS (2305004-BS1)					Prepared: 01/30/23 Analyzed: 01/31/23				
Chloride	250	20.0	250		100	90-110			
LCS Dup (2305004-BSD1)					Prepared: 01/30/23 Analyzed: 01/31/23				
Chloride	247	20.0	250		98.6	90-110	1.44	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Marwari 28 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/23 15:49

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite

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

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

## Project Information

## Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: <u>MARIARI 28 CTBI</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Address: City, State, Zip Phone: Email: Pima Project # <u>1-139</u>					Lab Use Only Lab WO# <u>E301138</u> Job Number <u>D1058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <u>X</u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
12:45	1/26/23	S	1	CS1	1															
12:50				CS2	2															
12:55				CS3	3															
1:00				CS4	4															
1:05				CS5	5															
1:10				CS6	6															
1:15				CS7	7															
1:20				CS8	8															
1:25				CS9	9															
1:30				CS10	10															
Additional Instructions: Bill to Devon: 21059023																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Audriana Benavidez</u>																				
Relinquished by: (Signature) <u>AB</u>		Date <u>1-27-23</u>		Time <u>9:00</u>		Received by: (Signature) <u>Michelle Cuyler</u>		Date <u>1-27-23</u>		Time <u>11:45</u>		Lab Use Only Received on ice: <u>Y</u> / N								
Relinquished by: (Signature) <u>Michelle Cuyler</u>		Date <u>1-27-23</u>		Time <u>2:00</u>		Received by: (Signature) <u>Deke Bazzin</u>		Date <u>1/28/23</u>		Time <u>7:30</u>		T1 T2 T3								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4.0</u>								
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																				
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Project Information

## Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>Marwan 28 CTB 1</u>					Attention:		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		<u>E301138</u>		<u>01058-0007</u>		<u>X</u>							
Address: 5614 N. Lovington Hwy.					City, State, Zip		Analysis and Method											RCRA
City, State, Zip Hobbs, NM, 88240					Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX			
Phone: 580-748-1613					Email:													
Email: tom@pimaoil.com					Pima Project # <u>1-139</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												Remarks	
1:35	4/26/23	S	1	CS11	11													
1:40				CSW1	12													
1:45				CSW2	13													
1:50				CSW3	14													
1:55				CSW4	15													
2:00				CSW5	16													
2:05				CSW6	17													
2:10				CSW7	18													
2:15				CSW8	19													
2:20				CSW9	20													
Additional Instructions: <u>Bill To Devon: 21059023</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Audriana Benavidez</u>																		
Relinquished by: (Signature) <u>AB</u>		Date	Time	Received by: (Signature) <u>Michele Cuyler</u>		Date	Time	Lab Use Only										
Relinquished by: (Signature) <u>Michele Cuyler</u>		Date	Time	Received by: (Signature) <u>Diana Z...</u>		Date	Time	Received on ice: <u>Y</u> / N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____										
		Date	Time			Date	Time	AVG Temp °C <u>40</u>										
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other _____																		
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		





## Envirotech Analytical Laboratory

Printed: 1/30/2023 8:24:09AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/28/23 07:30	Work Order ID:	E301138
Phone:	(575) 631-6977	Date Logged In:	01/27/23 13:27	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	01/30/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 193443

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 193443
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/15/2023