

SHETLAND 11 CTB 1

1/12/2024

OCD SPILL # nAPP2401523877

<b>Spill Volume(Bbls) Calculator</b>		<b>Spills In Lined Containment</b>	
<i>Inputs in blue, Outputs in red</i>		Measurements Of Standing Fluid	
Contaminated Soil measurement		Length(Ft)	100
Area (sq feet)	Depth (in)	Width(Ft)	50.00
2,798.00	0.50	Depth(in.)	1
Cubic Feet of Soil Impacted	116.58	Total Capacity without tank displacements (bbls)	74.21
Barrels of Soil Impacted	20.78	No. of 500 bbl Tanks In Standing Fluid	8
Soil Type	Clay/Sand	No. of Other Tanks In Standing Fluid	0
Barrels of Oil Assuming 100% Saturation	3.12	OD Of Other Tanks In Standing Fluid(feet)	0
Saturation	Fluid present with shovel/backhoe	Total Volume of standing fluid accounting for tank displacement.	51.82
Estimated Barrels of Oil Released	3.12		
Free Standing Fluid Only			
Area (sq feet)	Depth (inches))		
0.00	0.000		
Standing fluid	0.00	Fluids spilled in containment (bbls)	51.82
Total fluids spilled	3.12	Impacted surface soils (bbls)	3.12
		Total Fluids Spilled (bbls)	54.93



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

February 29, 2024

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

**Re: Liner Inspection, Site Assessment and Closure Report**  
**Shetland 11 CTB 1**  
**API No. N/A**  
**GPS: Latitude 32.053023 Longitude -103.749823**  
**UL -- D, Section 11, T26S, R31E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2401523877**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, Liner Inspection and submit this closure report for a produced water release that occurred at the Shetland 11 CTB 1 (Shetland). The initial C-141 was submitted on January 16, 2024 (Appendix C). This incident was assigned Incident ID NAPP2401523877 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Shetland is located approximately twenty-two (22) miles southeast of Malaga, NM. This spill site is in Unit D, Section 11, Township 26S, Range 31E, Latitude 32.053023 Longitude -103.749823, Eddy 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 Tonuco 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 excessively drained. There is a high potential for karst geology to be present around the Shetland (Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer water well (C-02090), the depth to the nearest groundwater in this vicinity measures 335 feet below grade surface (BGS), positioned 1.68 miles away from the Shetland, drilled, December 31, 1965. Conversely, as per the United States Geological Survey well water data (USGS320134103384101), the nearest groundwater depth in this region is recorded at 225 feet BGS, situated approximately 4.25 miles away from the Shetland, with the last gauge conducted in 2015. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.

**Table 1 NMAC and Closure Criteria 19.15.29**

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' High Karst	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

Shetland 11 CTB 1|Devon Energy

Reference Figure 2 for a Topographic Map.

### Release Information

**NAPP2401523877:** On January 12, 2024, a blown gasket on a water line caused fluid to be released due to equipment failure. The released fluids were calculated to be approximately 55 barrels (bbls) of produced water. A vacuum truck was able to recover 52 bbls of standing fluid. 3 bbls of produced water sprayed onto the pad.

### Site Assessment, and Soil Sampling Results

January 16, 2024, 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.

1/16/2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Shetland 11 CTB 1								
Sample Date: 1/16/24 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
S1	1'	ND	ND	ND	ND	ND	0	49.7
	2'	ND	ND	ND	ND	ND	0	274
	3'	ND	ND	ND	ND	ND	0	23.8
	4'	ND	ND	ND	ND	ND	0	36.5
S2	1'	ND	ND	ND	ND	ND	0	75.7
	2'	ND	ND	ND	ND	ND	0	172
	3'	ND	ND	ND	ND	ND	0	20.5
	4'	ND	ND	ND	ND	ND	0	40.1
S3	1'	ND	ND	ND	ND	ND	0	129
	2'	ND	ND	ND	ND	ND	0	189
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	30
S4	1'	ND	ND	ND	ND	ND	0	41
	2'	ND	ND	ND	ND	ND	0	337
	3'	ND	ND	ND	ND	ND	0	137
	4'	ND	ND	ND	ND	ND	0	23
S5	1'	ND	ND	ND	ND	ND	0	118
	2'	ND	ND	ND	ND	ND	0	222
	3'	ND	ND	ND	ND	ND	0	111
	4'	ND	ND	ND	ND	ND	0	30
S6	1'	ND	ND	ND	ND	ND	0	188
	2'	ND	ND	ND	ND	ND	0	271
	3'	ND	ND	ND	ND	ND	0	59.9
	4'	ND	ND	ND	ND	ND	0	34.5
S7	1'	ND	ND	ND	ND	ND	0	23.2
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	28.2
	4'	ND	ND	ND	ND	ND	0	52
S8	1'	ND	ND	ND	ND	ND	0	31.7
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	48.1
	4'	ND	ND	ND	ND	ND	0	53.4
SW1	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW2	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW3	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW4	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW5	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW6	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW7	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW8	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW9	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW10	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW11	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW12	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW13	0" - 4'	ND	ND	ND	ND	ND	0	ND
SW14	0' - 4'	ND	ND	ND	ND	ND	0	ND
SW15	0" - 4'	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

**Site Assessment and Liner Inspection**

On February 29, 2024, after submitting the 48-hour notification application ID:318173 to the OCD, Pima Environmental conducted a liner inspection at this location. We concluded that this liner and containment maintained its integrity and was able to retain the fluids. The liner inspection form and photographic documentation can be found in Appendix D.

**Closure Request**

After careful review, Pima requests that this incident, NAPP2401523877, 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,

**Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Well Map
- 5- Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – 48 Hour notification
- Appendix D – Liner Inspection Form & Photographic Documentation
- Appendix E – Laboratory Reports



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**Figures:**

1-Location Map

2-Topographic Map



3-Karst Map

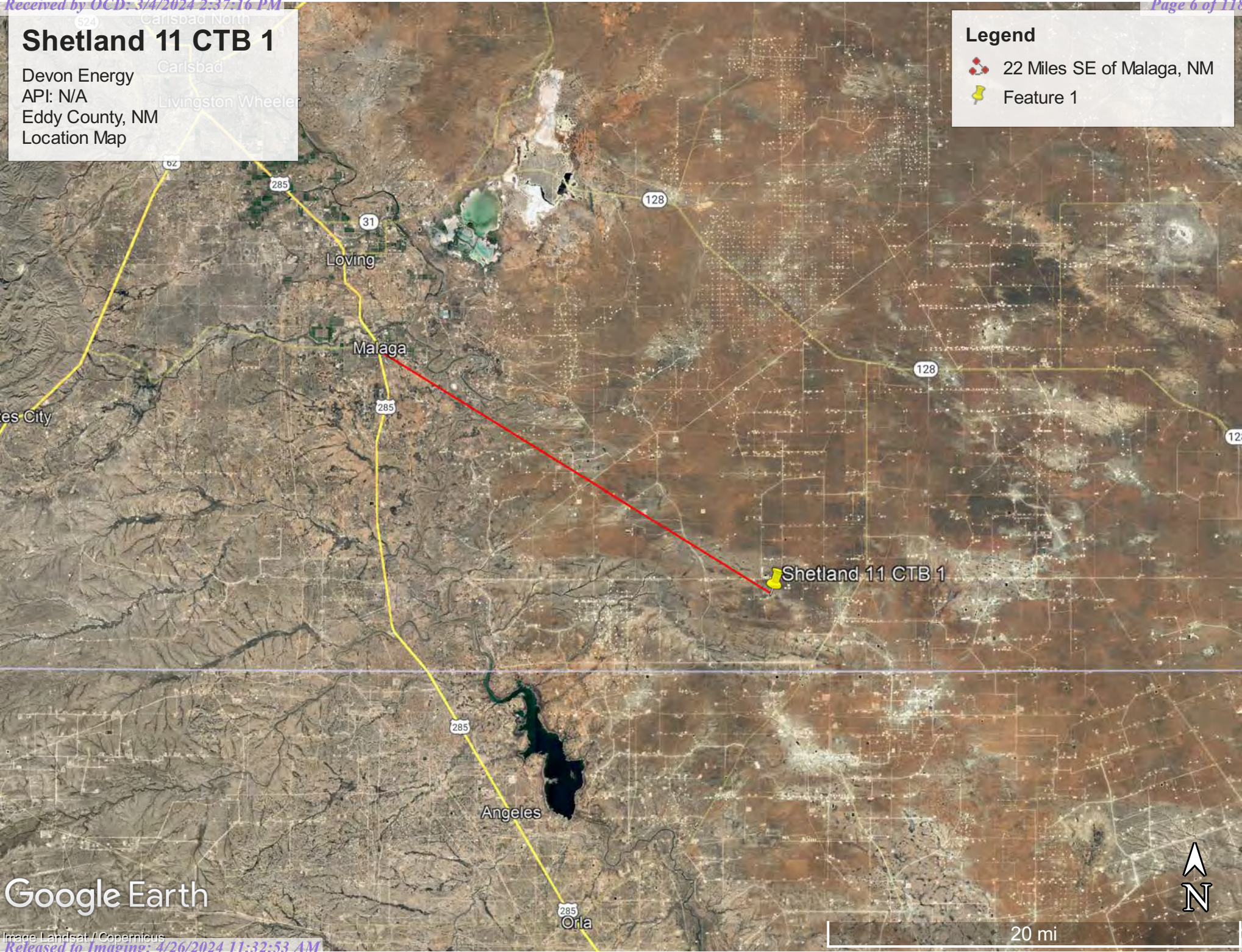
4-Site Map

# Shetland 11 CTB 1

Devon Energy  
API: N/A  
Eddy County, NM  
Location Map

## Legend

-  22 Miles SE of Malaga, NM
-  Feature 1





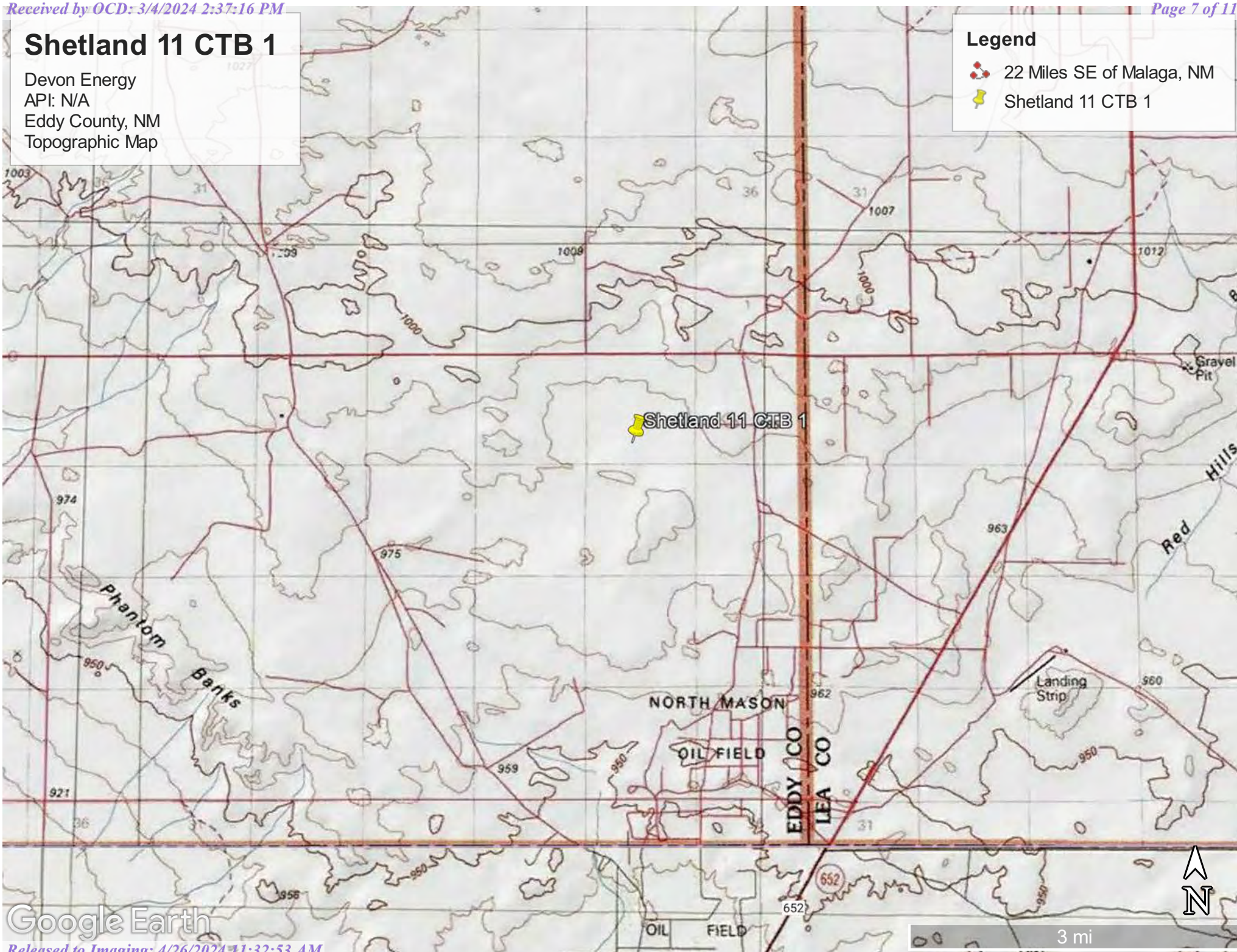
Google Earth

# Shetland 11 CTB 1

Devon Energy  
API: N/A  
Eddy County, NM  
Topographic Map

## Legend

-  22 Miles SE of Malaga, NM
-  Shetland 11 CTB 1



Google Earth

# Shetland 11 CTB 1

Devon Energy  
API: N/A  
Eddy County, NM  
Karst Map

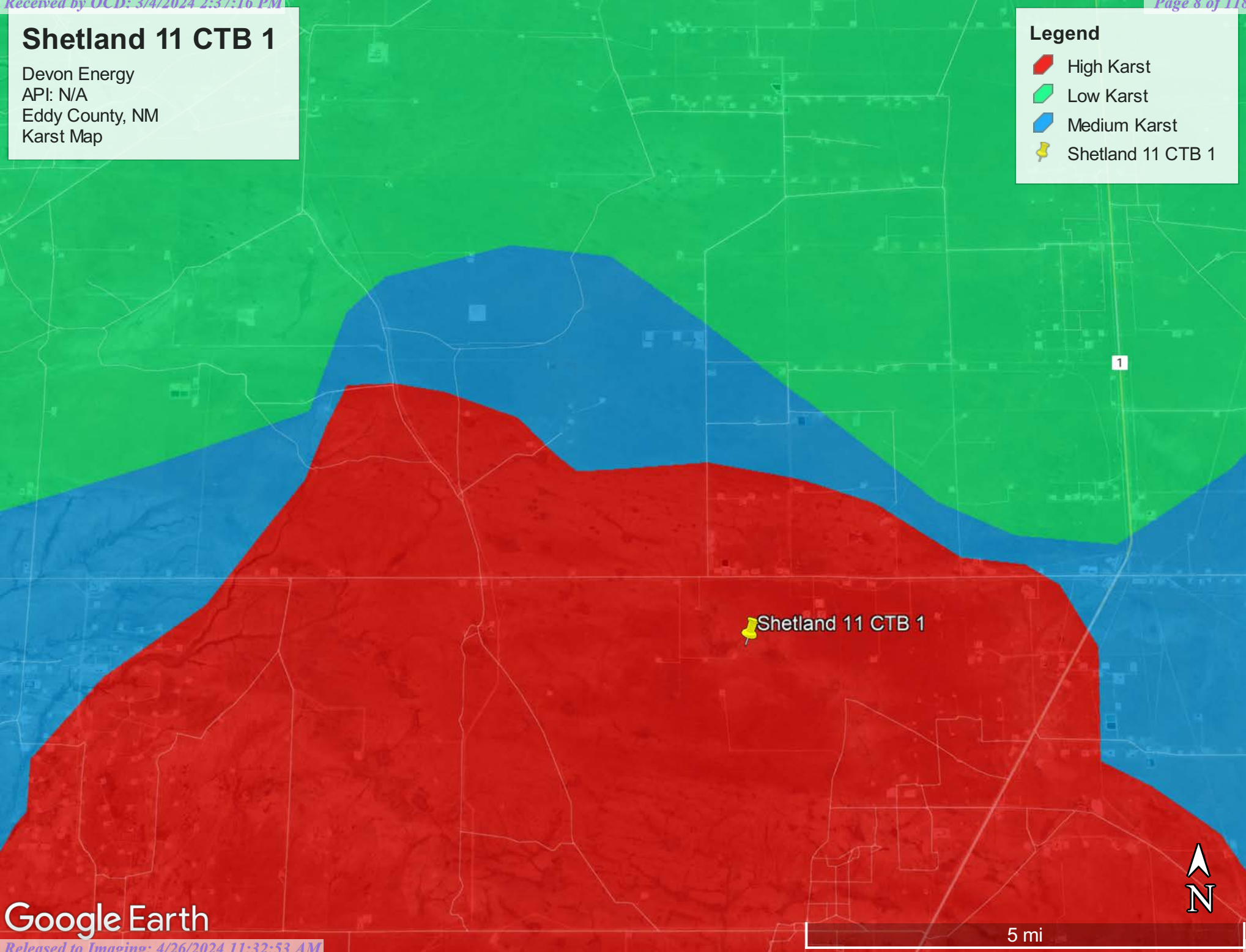
Legend

High Karst

Low Karst

Medium Karst

Shetland 11 CTB 1



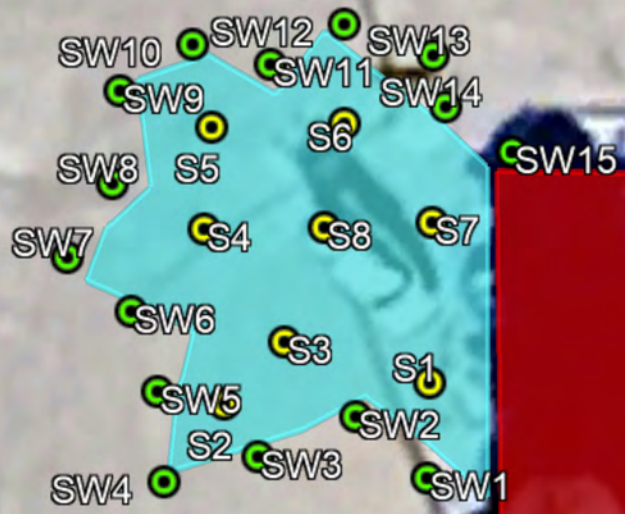
# Shetland 11 CTB 1

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

Legend

over-spray

Shetland 11 CTB 1



Shetland 11 CTB 1





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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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 04637 POD1</a>		CUB	ED	4	4	3	02	26S	31E	618068	3548423	1370	51		
<a href="#">C 04700 POD1</a>		CUB	ED	2	1	2	10	26S	31E	616736	3548154	1673			
<a href="#">C 02090</a>		C	ED		4	4	01	26S	31E	620329	3548533*	2760	350	335	15
<a href="#">C 03639 POD1</a>		CUB	ED	3	4	2	01	26S	31E	620168	3549279	3108	700	365	335
<a href="#">C 04209 POD2</a>		C	LE	2	3	3	06	26S	32E	620818	3548657	3243	340	155	185
<a href="#">C 04256 POD1</a>		C	ED	4	4	2	01	26S	31E	620384	3549257	3247	666	340	326
<a href="#">C 03554 POD2</a>		CUB	ED	2	2	4	01	26S	31E	620527	3549105	3256	650	355	295
<a href="#">C 03554 POD1</a>		CUB	ED	2	1	4	01	26S	31E	620547	3549148	3299	630	300	330
<a href="#">C 04209 POD1</a>		CUB	LE	2	3	3	06	26S	32E	620903	3548619	3299	360	155	205
<a href="#">C 03829 POD1</a>		CUB	LE	3	3	1	06	26S	32E	620628	3549186	3385	646	350	296
<a href="#">C 04769 POD1</a>		CUB	ED	2	1	2	21	26S	31E	615225	3544832	3553	101		
<a href="#">C 01777</a>		C	ED				08	26S	31E	613245	3547409*	4765	325	300	25

Average Depth to Water: **295 feet**

Minimum Depth: **155 feet**

Maximum Depth: **365 feet**

**Record Count:** 12

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 617997.55

**Northing (Y):** 3547054.98

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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

1/18/24 11:34 AM

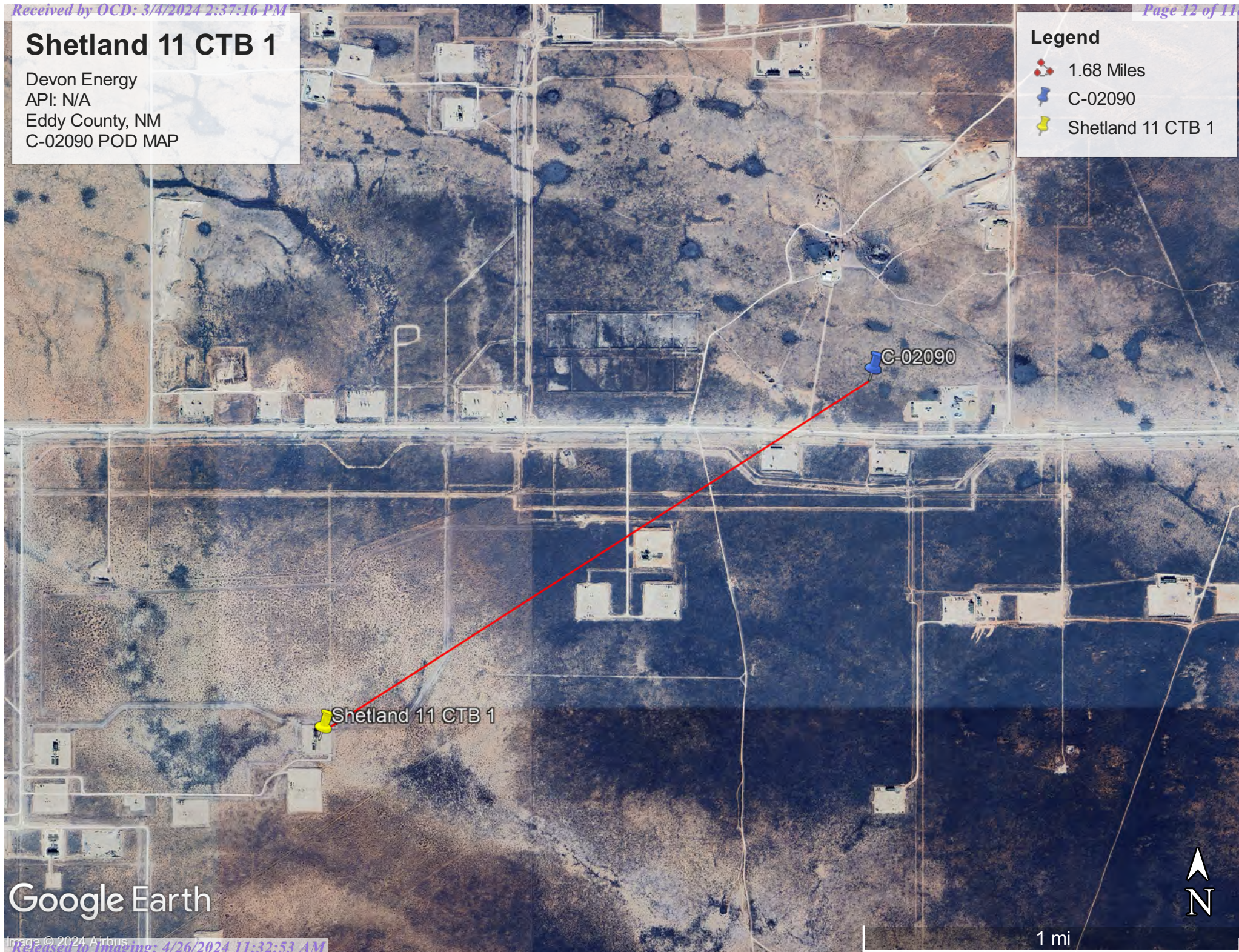
WATER COLUMN/ AVERAGE DEPTH TO WATER

# Shetland 11 CTB 1

Devon Energy  
API: N/A  
Eddy County, NM  
C-02090 POD MAP

## Legend

- 1.68 Miles
- C-02090
- Shetland 11 CTB 1



Google Earth



[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 =

- 320134103384101

Minimum number of levels = 1

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

### USGS 320134103384101 26S.32E.21.32311

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°01'35.2", Longitude 103°41'01.8" NAD83

Land-surface elevation 3,130 feet above NAVD88

The depth of the well is 405 feet below land surface.

The depth of the hole is 405 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Dockum Group (231DCKM) local aquifer.

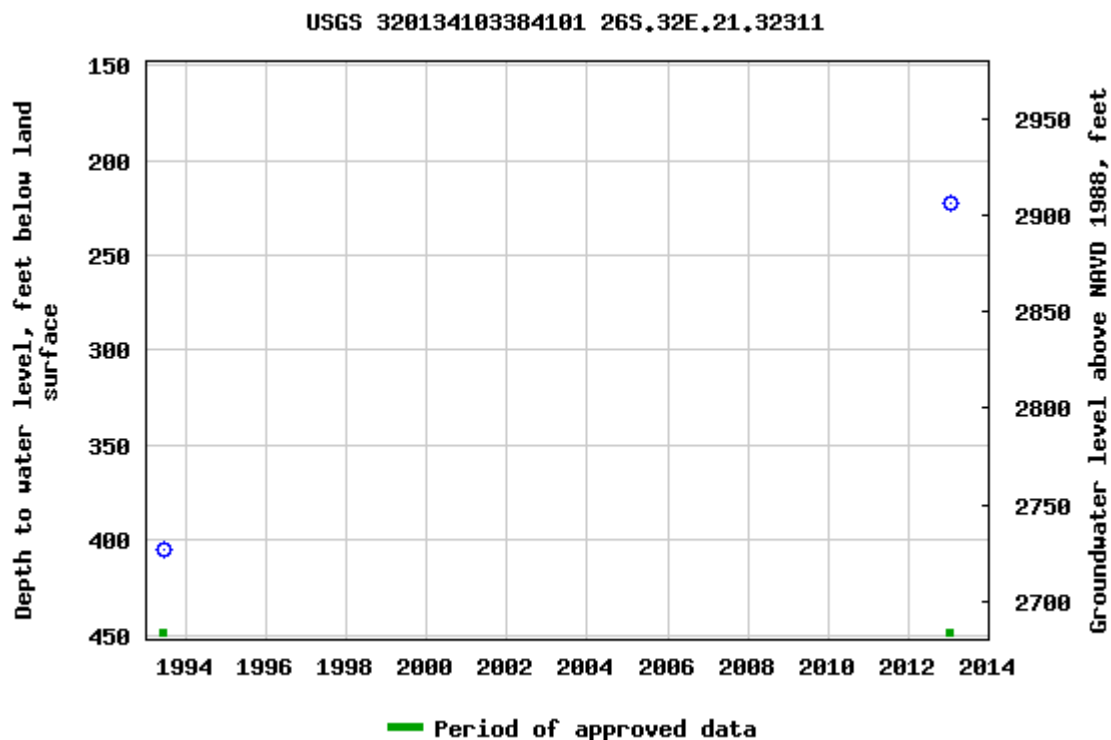
#### Output formats

[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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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**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: 2024-01-18 13:31:36 EST


0.61 0.52 nadww01


# Shetland 11 CTB 1

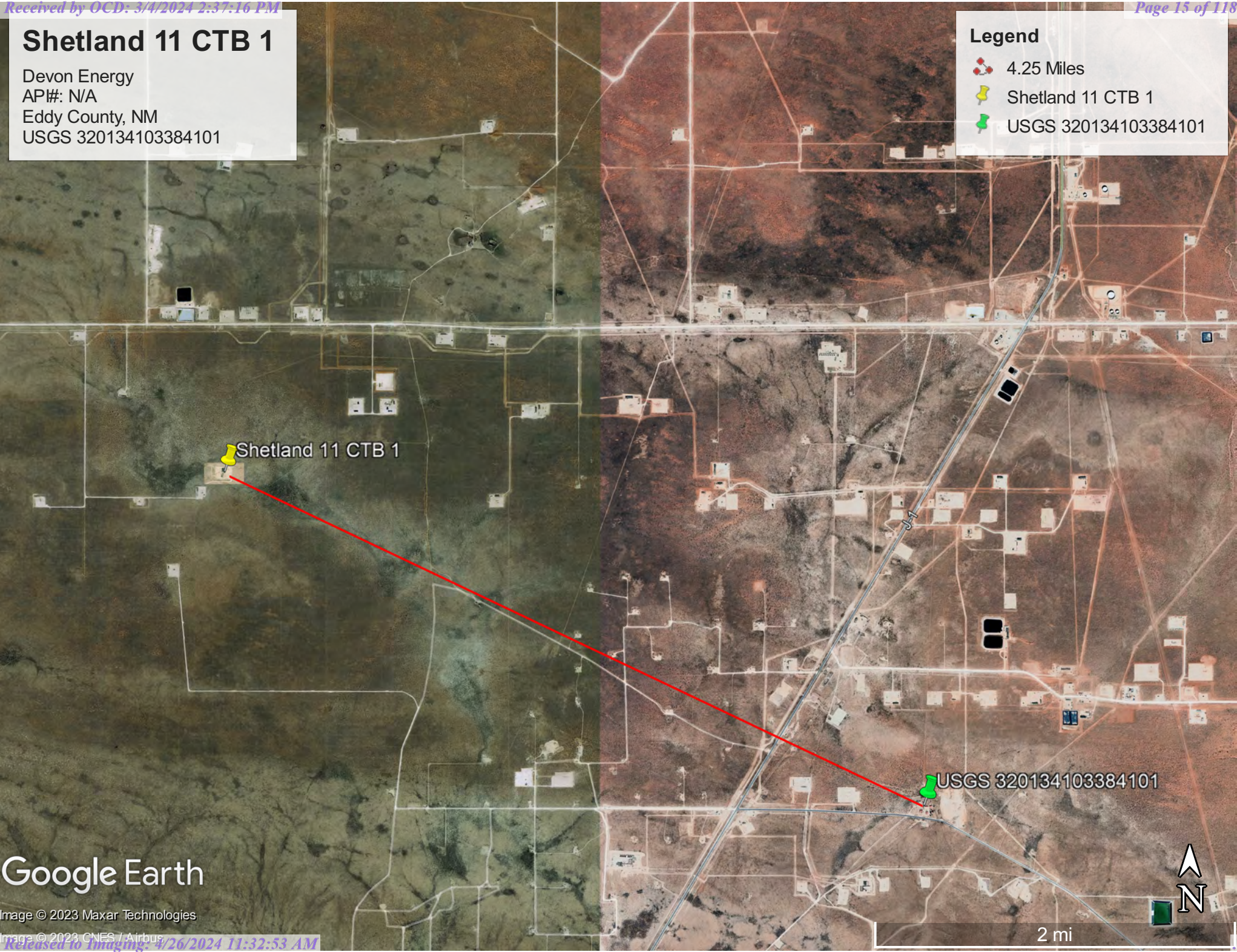
Devon Energy  
API#: N/A  
Eddy County, NM  
USGS 320134103384101

Legend

 4.25 Miles

 Shetland 11 CTB 1

 USGS 320134103384101





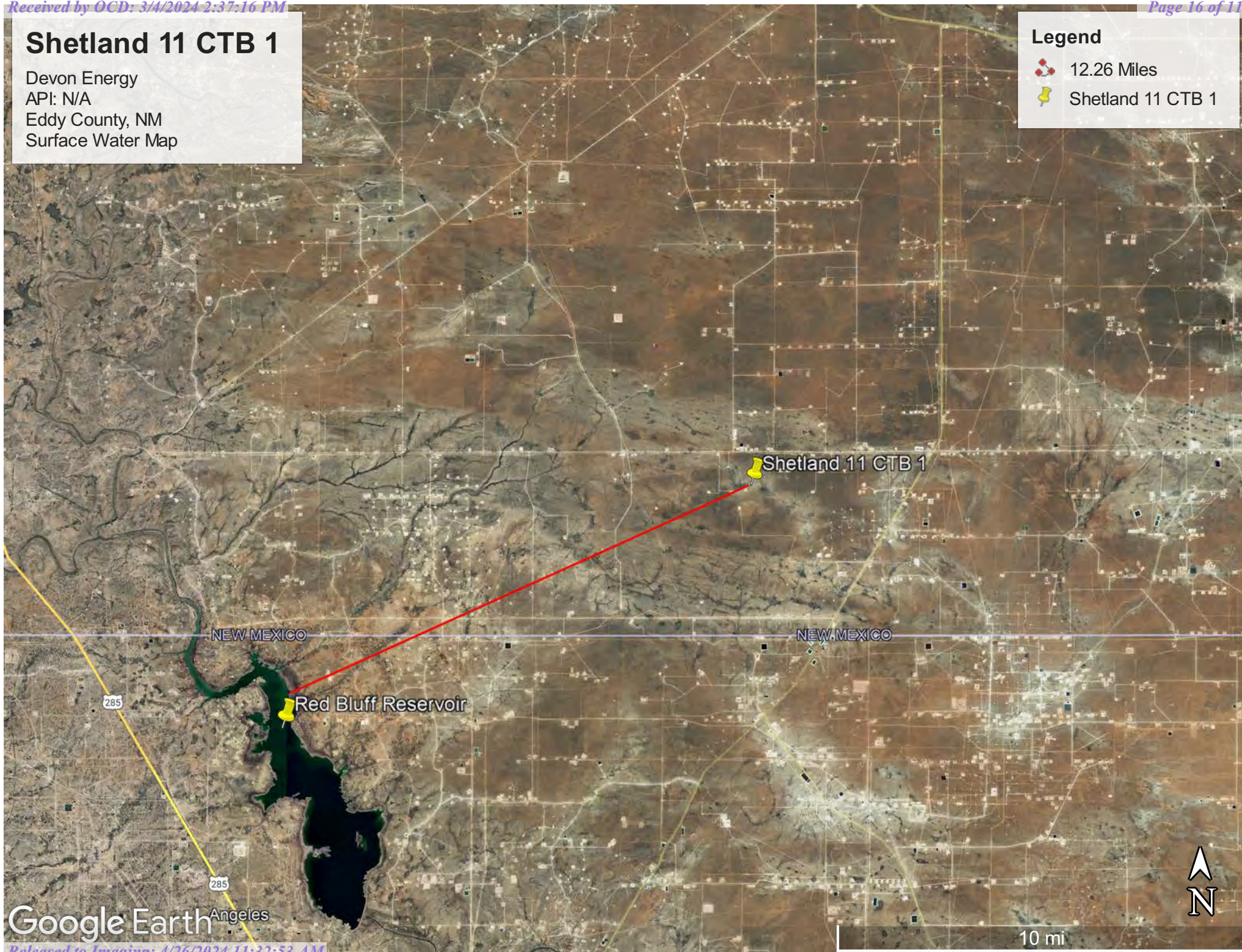
Google Earth

# Shetland 11 CTB 1

Devon Energy  
API: N/A  
Eddy County, NM  
Surface Water Map

## Legend

-  12.26 Miles
-  Shetland 11 CTB 1





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Tonuco loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

## Eddy Area, New Mexico

### TN—Tonuco loamy fine sand, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w62

*Elevation:* 3,000 to 4,100 feet

*Mean annual precipitation:* 10 to 14 inches

*Mean annual air temperature:* 60 to 64 degrees F

*Frost-free period:* 200 to 217 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Tonuco and similar soils:* 98 percent

*Minor components:* 2 percent

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

#### Description of Tonuco

##### Setting

*Landform:* Plains, alluvial fans

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 5 inches:* loamy fine sand

*H2 - 5 to 15 inches:* loamy fine sand

*H3 - 15 to 19 inches:* indurated

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 6 to 20 inches to petrocalcic

*Drainage class:* Excessively drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low  
to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*Ecological site:* R070BD004NM - Sandy

*Hydric soil rating:* No

Map Unit Description: Tonuco loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

### Minor Components

#### **Tonuco**

*Percent of map unit:* 1 percent

*Ecological site:* R070BD004NM - Sandy

*Hydric soil rating:* No

#### **Dune land**

*Percent of map unit:* 1 percent

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023



# National Flood Hazard Layer FIRMMette



103°45'19"W 32°3'28"N



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

1:6,000

103°44'42"W 32°2'58"N

Basemap Imagery Source: USGS National Map 2023

### Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		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
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped
MAP PANELS		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 **1/18/2024 at 1:42 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 4/26/2024 11:32:53 AM









Received by OCD: 3/4/2024 2:37:16 PM

Wetlands



January 18, 2024

Wetlands

- |  |   |  |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|  |  Freshwater Pond                   |  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**

### **48-Hour Notification**



Gio PimaOil &lt;gio@pimaoil.com&gt;

**Fwd: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 318173**

1 message

**Woodall, Dale** <Dale.Woodall@dvni.com>

Tue, Feb 27, 2024 at 1:06 PM

To: Gio PimaOil &lt;gio@pimaoil.com&gt;, Lynsey Pima Oil &lt;lynsey@pimaoil.com&gt;

Dale Woodall  
Environmental Professional  
Hobbs, NM 88240  
Office: 575-748-1838  
Mobile: 405-318-4697

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>**Sent:** Tuesday, February 27, 2024 1:02:19 PM**To:** Woodall, Dale <[Dale.Woodall@dvni.com](mailto:Dale.Woodall@dvni.com)>**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 318173

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2401523877.

The liner inspection is expected to take place:

**When:** 02/29/2024 @ 08:15**Where:** D-11-26S-31E 15 FSL 505 FWL (32.053023,-103.749823)**Additional Information:** Andrew Franco 806-200-0054

**Additional Instructions:** D-11-26S-31E, (32.053023, -103.749823 NAD83) From the intersection of Orla Rd (C1) and Pipeland Rd, travel west on Pipeline Rd for 5.21 miles, turn South on lease road for 0.91 of a mile, turn east on lease road for 0.81 miles, arriving to location on the left.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive  
Santa Fe, NM 87505

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Pima Environmental Services

## **Appendix D**

Liner Inspection Form

Photographic Documentation



Pima Environmental Services, LLC

**Liner Inspection Form**Company Name: Devon EnergySite: Shetland 11 CTB 1Lat/Long: 32.053023, -103.749823NMOCD Incident ID  
& Incident Date: NAPP2401523877 1/12/20242-Day Notification  
Sent: via Email by Dale Woodall on OCD portal 2/27/2024Inspection Date: 2/29/2024

Liner Type:	Earthen w/liner	Earthen no liner	Polystar
	<b>Steel w/poly liner</b>	Steel w/spray epoxy	No Liner

Other: \_\_\_\_\_

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: \_\_\_\_\_

Inspector Name: Andrew Franco Inspector Signature: Andrew Franco



## SITE PHOTOGRAPHS

### DEVON ENERGY

#### Shetland 11 CTB 1

#### Liner Inspection











Assessment



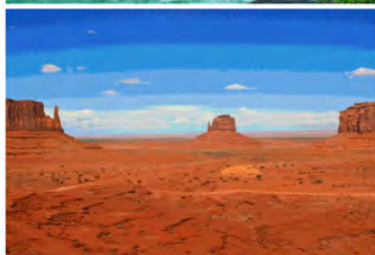


Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shetland 11 CTB 1

Work Order: E401090

Job Number: 01058-0007

Received: 1/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/24/24

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.

Date Reported: 1/24/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shetland 11 CTB 1  
Workorder: E401090  
Date Received: 1/18/2024 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2024 6:00:00AM, under the Project Name: Shetland 11 CTB 1.

The analytical test results summarized in this report with the Project Name: Shetland 11 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,

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/24 11:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1- 1'	E401090-01A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S1- 2'	E401090-02A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S1- 3'	E401090-03A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S1- 4'	E401090-04A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S2- 1'	E401090-05A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S2- 2'	E401090-06A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S2- 3'	E401090-07A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S2- 4'	E401090-08A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S3- 1'	E401090-09A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S3- 2'	E401090-10A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S3- 3'	E401090-11A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S3- 4'	E401090-12A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S4- 1'	E401090-13A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S4- 2'	E401090-14A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S4- 3'	E401090-15A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S4- 4'	E401090-16A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S5- 1'	E401090-17A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S5- 2'	E401090-18A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S5- 3'	E401090-19A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S5- 4'	E401090-20A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:19:35AM

S1- 1'

E401090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	116 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403044
Chloride	49.7	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1- 2'

E401090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	274	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S1- 3'

E401090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	23.8	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:19:35AM

S1- 4'

E401090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403044
Chloride	36.5	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2- 1'

E401090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	75.7	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2-2'

E401090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	172	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2- 3'

E401090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	125 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	20.5	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2- 4'

E401090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	127 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	40.1	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3- 1'

E401090-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	125 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	129	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3- 2'

E401090-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	127 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	189	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3- 3'

E401090-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	118 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3- 4'

E401090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	117 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	30.0	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:19:35AM

S4- 1'

E401090-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403044
Chloride	41.0	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4- 2'

E401090-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	122 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	337	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S4- 3'

E401090-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	119 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	137	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:19:35AM

S4- 4'

E401090-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	23.0	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:19:35AM

S5- 1'

E401090-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2403041
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403038
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403044
Chloride	118	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5- 2'

E401090-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	122 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	222	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5- 3'

E401090-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	120 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	111	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S5- 4'

E401090-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Benzene	ND	0.0250	1	01/18/24	01/20/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/20/24	
Toluene	ND	0.0250	1	01/18/24	01/20/24	
o-Xylene	ND	0.0250	1	01/18/24	01/20/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/20/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/20/24	
Surrogate: 4-Bromochlorobenzene-PID	91.5 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2403041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/18/24	01/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403038	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	112 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403044	
Chloride	30.0	20.0	1	01/18/24	01/18/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:19:35AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2403041-BLK1) Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

LCS (2403041-BS1) Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike (2403041-MS1) Source: E401090-08 Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	4.96	0.0250	5.00	ND	99.2	54-133			
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.29	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2403041-MSD1) Source: E401090-08 Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	4.91	0.0250	5.00	ND	98.1	54-133	1.11	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	0.881	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	0.994	20	
o-Xylene	5.24	0.0250	5.00	ND	105	63-131	0.883	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	0.875	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	0.878	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:  1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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 (2403041-BLK1) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

LCS (2403041-BS2) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			

Matrix Spike (2403041-MS2) Source: E401090-08 Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2403041-MSD2) Source: E401090-08 Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	1.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:19:35AM

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 (2403038-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			

LCS (2403038-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	224	25.0	250		89.5	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike (2403038-MS1)					Source: E401090-13		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			

Matrix Spike Dup (2403038-MSD1)					Source: E401090-13		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	6.18	20	
Surrogate: n-Nonane	56.4		50.0		113	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:19:35AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2403044-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	ND	20.0							
LCS (2403044-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2403044-MS1)					Source: E401090-03		Prepared: 01/18/24 Analyzed: 01/18/24		
Chloride	270	20.0	250	23.8	98.5	80-120			
Matrix Spike Dup (2403044-MSD1)					Source: E401090-03		Prepared: 01/18/24 Analyzed: 01/18/24		
Chloride	273	20.0	250	23.8	99.7	80-120	1.08	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:	Shetland 11 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/24 11:19

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- 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 5

<b>Client:</b> Pima Environmental Services <b>Project:</b> <u>Shetland II CTB I</u> <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> <u>Devon</u> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> <u>358</u>					<b>Lab Use Only</b> <b>Lab WO#</b> <u>E 461 090</u> <b>Job Number</b> <u>01058-0007</u> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
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	BGDOC NM	BGDOC TX	Remarks						
8:22	1/16	S		S1-1'	1							X								
8:36				S1-2'	2															
8:41				S1-3'	3															
8:58				S1-4'	4															
9:10				S2-1'	5															
9:17				S2-2'	6															
9:28				S2-3'	7															
9:33				S2-4'	8															
9:50				S3-1'	9															
10:06				S3-2'	10															
<b>Additional Instructions:</b> <u>BH 21280056</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.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	<b>Lab Use Only</b> Received on ice: <u>Y</u> / N												
<u>Karime Adams</u> <u>Andrew Adams</u>		1/17/24	14:00	<u>Andrew Adams</u> <u>Andrew Adams</u>		1-17-24	14:00	T1 T2 T3 4 AVG Temp °C												
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.																				

## Project Information

## Chain of Custody

<b>Client: Pima Environmental Services</b> <b>Project: Shetland 11 GTB 1</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM, 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 358</b>					<b>Lab Use Only</b> <b>Lab WO#</b> E401090 <b>Job Number</b> 01058-0007 <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D <b>Standard</b> X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
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	BGDOC NM	BGDOC TX	Remarks						
10:15	1/16	S		S3-3'	10							X								
10:31				S3-4'	12															
10:46				S4-1'	13															
10:58				S4-2'	14															
10:07				S4-3'	15															
11:11				S4-4'	16															
11:13				S5-1'	17															
11:18				S5-2'	18															
11:22				S5-3'	19															
11:38				S5-4'	20															
<b>Additional Instructions:</b> B# 21280056																				
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.									
<b>Relinquished by: (Signature)</b> Karine Adams <b>Date</b> 1-17-24 <b>Time</b> 1645 <b>Received by: (Signature)</b> [Signature] <b>Date</b> 1-17-24 <b>Time</b> 1645											<b>Lab Use Only</b> <b>Received on ice:</b> Y/N <b>T1</b> <b>T2</b> <b>T3</b> <b>AVG Temp °C</b> 4									
<b>Relinquished by: (Signature)</b> [Signature] <b>Date</b> 1-17-24 <b>Time</b> 2245 <b>Received by: (Signature)</b> [Signature] <b>Date</b> 1-18-24 <b>Time</b> 12:00											<b>Container Type:</b> g - glass, p - poly/plastic, ag - amber glass, v - VOA									
<b>Note:</b> 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: 1/18/2024 9:07:07AM

## 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:	01/18/24 06:00	Work Order ID:	E401090
Phone:	(575) 631-6977	Date Logged In:	01/17/24 14:43	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	01/24/24 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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? No
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? No
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**

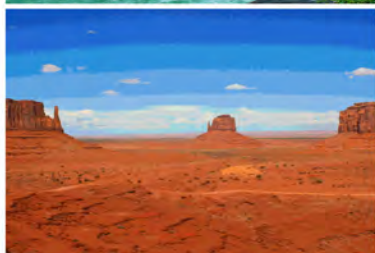
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shetland 11 CTB 1

Work Order: E401091

Job Number: 01058-0007

Received: 1/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/24/24

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.

Date Reported: 1/24/24

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shetland 11 CTB 1  
Workorder: E401091  
Date Received: 1/18/2024 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2024 6:00:00AM, under the Project Name: Shetland 11 CTB 1.

The analytical test results summarized in this report with the Project Name: Shetland 11 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  
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Field Offices:

**Southern New Mexico Area**

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**Michelle Golzaes**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 01/24/24 11:17
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
S6- 1'	E401091-01A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S6- 2'	E401091-02A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S6- 3'	E401091-03A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S6- 4'	E401091-04A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S7- 1'	E401091-05A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S7- 2'	E401091-06A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S7- 3'	E401091-07A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S7- 4'	E401091-08A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S8- 1'	E401091-09A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S8- 2'	E401091-10A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S8- 3'	E401091-11A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
S8- 4'	E401091-12A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW1	E401091-13A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW2	E401091-14A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW3	E401091-15A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW4	E401091-16A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW5	E401091-17A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW6	E401091-18A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW7	E401091-19A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW8	E401091-20A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW9	E401091-21A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW10	E401091-22A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW11	E401091-23A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW12	E401091-24A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW13	E401091-25A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW14	E401091-26A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
SW15	E401091-27A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.
BG1	E401091-28A	Soil	01/16/24	01/18/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported: 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6- 1'

E401091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403048	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	82.8 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	188	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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S6- 2'

E401091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	83.2 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	271	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6- 3'

E401091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403048	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	88.0 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	59.9	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

S6- 4'

E401091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	86.2 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	34.5	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7- 1'

E401091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	98.7 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	23.2	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

S7- 2'

E401091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7- 3'

E401091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	99.9 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	28.2	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

S7- 4'

E401091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	52.0	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

S8- 1'

E401091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	31.7	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8- 2'

E401091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	103 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8- 3'

E401091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	103 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	48.1	20.0	1	01/18/24	01/18/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

S8- 4'

E401091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	53.4	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW1

E401091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	108 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2

E401091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW3

E401091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>		94.2 %	50-200	01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E401091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	95.0 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5

E401091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: 4-Bromochlorobenzene-PID	97.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	90.8 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/19/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

## SW6

## E401091-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403040
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	92.5 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2403050
Chloride	ND	20.0	1	01/18/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW7

E401091-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	87.1 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	<b>Reported:</b> 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW8

E401091-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2403040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2403046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2403050	
Chloride	ND	20.0	1	01/18/24	01/19/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

## SW9

## E401091-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene		101 %	70-130	01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/18/24	01/19/24	
Surrogate: Toluene-d8		89.1 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene		101 %	70-130	01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/18/24	01/19/24	
Surrogate: Toluene-d8		89.1 %	70-130	01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane		88.1 %	50-200	01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



## Sample Data

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

Project Name: Shetland 11 CTB 1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
1/24/2024 11:17:56AM

## SW10

## E401091-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	90.5 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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SW11

E401091-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	93.3 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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SW12

E401091-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.6 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/19/24	
Surrogate: n-Nonane	90.9 %	50-200		01/18/24	01/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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SW13

E401091-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.7 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.7 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	87.7 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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SW14

E401091-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.2 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	88.8 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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SW15

E401091-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	89.3 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	87.0 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shetland 11 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/24/2024 11:17:56AM
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BG1

E401091-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Benzene	ND	0.0250	1	01/18/24	01/19/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/19/24	
Toluene	ND	0.0250	1	01/18/24	01/19/24	
o-Xylene	ND	0.0250	1	01/18/24	01/19/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/19/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2403042
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/19/24	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/18/24	01/19/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		01/18/24	01/19/24	
Surrogate: Toluene-d8	88.5 %	70-130		01/18/24	01/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2403048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane	81.4 %	50-200		01/18/24	01/18/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2403054
Chloride	ND	20.0	1	01/19/24	01/19/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:  1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

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 (2403042-BLK1) Prepared: 01/18/24 Analyzed: 01/19/24

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	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.449		0.500		89.8	70-130			

LCS (2403042-BS1) Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	2.69	0.0250	2.50		108	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.33	0.0250	2.50		93.2	70-130			
o-Xylene	2.42	0.0250	2.50		96.7	70-130			
p,m-Xylene	4.72	0.0500	5.00		94.3	70-130			
Total Xylenes	7.13	0.0250	7.50		95.1	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.446		0.500		89.1	70-130			

Matrix Spike (2403042-MS1) Source: E401091-28 Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	2.70	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.9	45-135			
Toluene	2.34	0.0250	2.50	ND	93.5	48-130			
o-Xylene	2.50	0.0250	2.50	ND	99.8	43-135			
p,m-Xylene	4.84	0.0500	5.00	ND	96.7	43-135			
Total Xylenes	7.33	0.0250	7.50	ND	97.8	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.442		0.500		88.4	70-130			

Matrix Spike Dup (2403042-MSD1) Source: E401091-28 Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	2.53	0.0250	2.50	ND	101	48-131	6.22	23	
Ethylbenzene	2.29	0.0250	2.50	ND	91.8	45-135	5.41	27	
Toluene	2.20	0.0250	2.50	ND	88.0	48-130	6.08	24	
o-Xylene	2.29	0.0250	2.50	ND	91.8	43-135	8.39	27	
p,m-Xylene	4.45	0.0500	5.00	ND	89.0	43-135	8.31	27	
Total Xylenes	6.75	0.0250	7.50	ND	89.9	43-135	8.34	27	
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.447		0.500		89.4	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2403040-BLK1)Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

LCS (2403040-BS1)Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	4.42	0.0250	5.00		88.3	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130			
Toluene	4.55	0.0250	5.00		90.9	70-130			
o-Xylene	4.63	0.0250	5.00		92.6	70-130			
p,m-Xylene	9.28	0.0500	10.0		92.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike (2403040-MS1)Source: E401091-10Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	4.82	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	61-133			
Toluene	4.97	0.0250	5.00	ND	99.3	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			

Matrix Spike Dup (2403040-MSD1)Source: E401091-10Prepared: 01/18/24 Analyzed: 01/19/24

Benzene	5.20	0.0250	5.00	ND	104	54-133	7.64	20	
Ethylbenzene	5.36	0.0250	5.00	ND	107	61-133	7.71	20	
Toluene	5.37	0.0250	5.00	ND	107	61-130	7.73	20	
o-Xylene	5.41	0.0250	5.00	ND	108	63-131	7.57	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	7.45	20	
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131	7.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2403040-BLK1) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS (2403040-BS2) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2403040-MS2) Source: E401091-10 Prepared: 01/18/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2403040-MSD2) Source: E401091-10 Prepared: 01/18/24 Analyzed: 01/22/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130	0.429	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2403042-BLK1) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.449		0.500		89.8	70-130			

LCS (2403042-BS2) Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.4	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.450		0.500		89.9	70-130			

Matrix Spike (2403042-MS2) Source: E401091-28 Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.3	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.450		0.500		89.9	70-130			

Matrix Spike Dup (2403042-MSD2) Source: E401091-28 Prepared: 01/18/24 Analyzed: 01/19/24

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.1	70-130	0.884	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.445		0.500		88.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

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 (2403046-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

LCS (2403046-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2403046-MS1)					Source: E401091-16		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			

Matrix Spike Dup (2403046-MSD1)					Source: E401091-16		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	1.17	20	
Surrogate: n-Nonane	50.2		50.0		100	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

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 (2403048-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.5	50-200			

LCS (2403048-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	38-132			
Surrogate: n-Nonane	39.1		50.0		78.1	50-200			

Matrix Spike (2403048-MS1)					Source: E401091-25		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	45.5		50.0		90.9	50-200			

Matrix Spike Dup (2403048-MSD1)					Source: E401091-25		Prepared: 01/18/24 Analyzed: 01/18/24		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	13.2	20	
Surrogate: n-Nonane	41.2		50.0		82.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2403050-BLK1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	ND	20.0							
LCS (2403050-BS1)					Prepared: 01/18/24 Analyzed: 01/18/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2403050-MS1)					Source: E401091-01		Prepared: 01/18/24 Analyzed: 01/19/24		
Chloride	444	20.0	250	188	103	80-120			
Matrix Spike Dup (2403050-MSD1)					Source: E401091-01		Prepared: 01/18/24 Analyzed: 01/19/24		
Chloride	441	20.0	250	188	101	80-120	0.767	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2403054-BLK1)					Prepared: 01/19/24 Analyzed: 01/19/24				
Chloride	ND	20.0							
LCS (2403054-BS1)					Prepared: 01/19/24 Analyzed: 01/19/24				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2403054-MS1)					Source: E401091-23		Prepared: 01/19/24 Analyzed: 01/19/24		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2403054-MSD1)					Source: E401091-23		Prepared: 01/19/24 Analyzed: 01/19/24		
Chloride	251	20.0	250	ND	101	80-120	0.622	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:	Shetland 11 CTB 1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/24 11:17

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- 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 3 of 5

<b>Client:</b> Pima Environmental Services <b>Project:</b> Shetland II CTB I <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> Dexon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 358					<b>Lab Use Only</b> <b>Lab WO#</b> E401091 <b>Job Number</b> 01658-0007 <b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA	
										<b>State</b> NM CO UT AZ TX X										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
11:53	1/16	S		S6-1'	1											X				
12:06				S6-2'	2															
12:11				S6-3'	3															
12:19				S6-4'	4															
12:26				S7-1'	5															
12:35				S7-2'	6															
12:41				S7-3'	7															
12:48				S7-4'	8															
12:51				S8-1'	9															
12:59				S8-2'	10															
<b>Additional Instructions:</b> B# 2128 0056																				
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.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: ① / N								
Karine Adams								1-17-24		1400										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
		1-17-24		1645				1-17-24		1645										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4								
		1-17-24		2245				1-18-24		10:00										
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.																				

## Project Information

## Chain of Custody

Page 4 of 5

<b>Client:</b> Pima Environmental Services <b>Project:</b> <u>Shetland II CTB 1</u> <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> <u>Devon</u> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> <u>358</u>					<b>Lab Use Only</b> <b>Lab WO#</b> <u>E401091</u> <b>Job Number</b> <u>010580007</u> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX X	
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	BGDOC NM	BGDOC TX	Remarks						
1:08	1/16	S		58-3'	11							X								
1:12				58-4'	12															
1:18				SW1	13															
1:21				SW2	14															
1:25				SW3	15															
1:33				SW4	16															
1:39				SW5	17															
1:45				SW6	18															
1:56				SW7	19															
2:02				SW8	20															
<b>Additional Instructions:</b> <u>B# 21280056</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.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> / N												
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 <u>4</u>												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
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 5 of 5

<b>Client: Pima Environmental Services</b> <b>Project: Shetland II CTB I</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM, 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 358</b>					<b>Lab Use Only</b> <b>Lab WO# E401091</b> <b>Job Number G1058-0001</b> <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA	
										<b>State</b> NM CO UT AZ TX X				<b>Remarks</b>						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
2:13	1/16	S		SW9	21									X						
2:17				SW10	22															
2:21				SW11	23															
2:25				SW12	24															
2:35				SW13	25															
2:48				SW14	26															
2:51				SW15	27															
2:59				BG1	28															
<b>Additional Instructions:</b> B# 21280056																				
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.										
Relinquished by: (Signature) Karime Poame Date 1-17-24 Time 1645 Relinquished by: (Signature) Andrew Alamo Date 1-17-24 Time 2245										Received by: (Signature) [Signature] Date 1-17-24 Time 1400 Received by: (Signature) [Signature] Date 1-17-24 Time 1645 Received by: (Signature) [Signature] Date 1-18-24 Time 16:00										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


**envirotech**

## Envirotech Analytical Laboratory

Printed: 1/18/2024 2:07:11PM

## 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:	01/18/24 06:00	Work Order ID:	E401091
Phone:	(575) 631-6977	Date Logged In:	01/17/24 14:53	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	01/24/24 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: 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

No. of containers is not documented on the COC by client.  
Project Shetland 11 CTB 1 has been separated into two WO E401090 and E401091 due to high sample volume.

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

QUESTIONS  
  
Action 319948

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 319948
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401523877
Incident Name	NAPP2401523877 SHETLAND 11 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123649550] SHETLAND 11 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHETLAND 11 CTB 1
Date Release Discovered	01/12/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Coupling   Produced Water   Released: 55 BBL   Recovered: 52 BBL   Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	55 bbls of produced water were spilled in containment (52 bbls) and on the pad (3 bbls) due to a blown gasket on a water line. The valves supplying the flow line were isolated to stop the leak. 52 bbls recovered from the containment.

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QUESTIONS, Page 2

Action 319948

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319948
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 03/04/2024
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QUESTIONS, Page 3

Action 319948

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	319948
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS****Site Characterization**

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

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

**Remediation Plan**

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	337
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/16/2024
On what date will (or did) the final sampling or liner inspection occur	02/29/2024
On what date will (or was) the remediation complete(d)	01/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	7255
What is the estimated volume (in cubic yards) that will be reclaimed	806
What is the estimated surface area (in square feet) that will be remediated	7255
What is the estimated volume (in cubic yards) that will be remediated	806

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

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

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QUESTIONS, Page 4

Action 319948

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	319948
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	no excavation was conducted at the location. because samples were below action levels following the initial assessment on 1/16/2024, there were no followup sampling activities conducted. the liner was inspected on 2/29/2024. the C141L was filed for that event.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 03/04/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 319948

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 319948
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 319948

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
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	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7255
What was the total volume (in cubic yards) reclaimed	806
Summarize any additional remediation activities not included by answers (above)	because sample results were below NM OCD action levels, there was no remediation activity conducted.
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 03/04/2024

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QUESTIONS, Page 7  
  
Action 319948

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
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Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS  
  
Action 319948

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 319948
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2401523877 SHETLAND 11 CTB 1, thank you. This Remediation Closure Report is approved.	4/26/2024