



RECLAMATION REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

May 2nd, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



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

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

RE: RECLAMATION REPORT

LOCATION: Shetland 11 CTB 1

FACILITY ID: fAPP2123649550

GPS: 32.053023, -103.749823

INCIDENT LOCATION: UL- D. Section 11, T26S, R31E

COUNTY: Eddy

NMOCD REF. NO. NAPP2401523877

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare the Reclamation Report for the Shetland 11 CTB 1 site (hereafter referred to as the "Shetland"). This report provides a comprehensive overview of the site's history, details the reclamation activities that have been undertaken to date, and outlines a proposed plan for ongoing vegetation monitoring.

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 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, 0-3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a high potential for karst geology to be present around the Shetland (Figure 3). A Topographic Map can be referenced in Figure 2.

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. The nearest water feature is the Red Bluff Reservoir located approximately 12.26 miles to the southwest of this site. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.



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Shetland 11 CTB 1 | NAPP2401523877

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Depth to groundwater at the Shetland will be classified as <50' BGS. Referenced water surveys, pod information, and water-related maps can be found in Appendix A.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix B)	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

SITE CONDITIONS AND HISTORY

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.

On January 16, 2024, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix E. Photographic Documentation can be found in Appendix D.

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no remediation activities were needed at this location.

On February 29, 2024, after submitting a 48-hour notification application ID: 318173 to the NMOCD, Pima Environmental conducted a liner inspection at this location. We conducted that this liner and containment maintained its integrity and was able to retain the fluids. The Liner Inspection Form can be found in Appendix C. Photographic Documentation can be found in Appendix D.

A Remediation Closure Report (Application ID: 319948), was submitted to the NMOCD on March 4, 2024 for approval.

On April 26, 2024, Incident ID: NAPP2401523877, was approved by the NMOCD.

RECLAMATION ACTIVITIES

The areas of concern do not require reclamation at this time as the conditions of the areas that were reported to have been affected were non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. To support this the Laboratory Analytical Reports are available in Appendix D. Furthermore, Photographic Documentation to prove that the ground has not been affected is available in Appendix C.

Regarding the Shetland 11 CTB 1, proposed reclamation actions are outlined below and will be implemented once the site is no longer needed for production and/or subsequent drilling operations.



RECLAMATION ACTIONS REQUIRED

In accordance with NMAC 19.2.100.67 Regulations NMSLO Reclamation and Remediation Guidelines and Procedures, and any stipulations or land use agreements pertaining to the locations on private land, the following reclamation activities are proposed at the site.

Once the site is no longer needed for production of subsequent drilling operations, Devon will conduct the following:

- All surface equipment, tanks, and piping, along with all trash, junk, and debris, will be removed for the site location and transported for reuse, recycling, or disposal as Resources Conservation and Recovery Act (RCRA- Exempt E&P Waste at an NMOCD-approved facility.
- Stained or discolored areas found during historical imagery search or reclamation activities will be assessed by collecting samples for submission to an analytical laboratory to analyze chloride and TPH. Soils identified with Total Petroleum Hydrocarbons (TPH) or chloride impacts above NMOCD reclamation requirements will be reclaimed according to NMOCD standards.
- Any removed known or suspected contaminated soil will be transported to an NMOCD-approved facility for disposal as RCRA Exempt Waste.
- Upon completion of any excavation of known or suspected impacted material, composite confirmation samples will be collected from the excavation floor and sidewalls, with each sample representing an area of no more than 200 square feet following sampling protocols set out in 19.15.29 NMAC.
- Upon receipt of any laboratory analytical results from confirmation soil samples demonstrating constituent contaminant levels are equal to or below NMOCD Closure Criteria, any excavated areas will be backfilled with locally sourced clean soil.
- Surface caliche and previously imported base aggregate will be scraped and removed from the site's surface using mechanical equipment and associated roads. The removed aggregate materials are anticipated to be reused to maintain nearby active well pads and lease roads.
- The site will have topsoil replaced and graded to match surrounding topography, then ripped, bermed, or water-barred to stabilize and control erosion and seeded with the appropriate NMSLO-approved seed mixture based on existing soil type at each location.
- Lease roads will have topsoil replaced, then ripped, bermed back to in-use lease roads, water barred and seeded with NMSLO-approved seed mixture for the location soil type.
- Reclamation activities are expected to be completed within 90 days of NMSLO approval of a Site Assessment and Reclamation Work Plan.
- Withing 30 days or at the beginning of the next favorable growing season following these completed reclamation activities, each Reclamation Site location will be seeded via hand broadcast at double the drill seeding rate as prescribed in NMSLO Seed Mix application guidelines.

RESTORATION, RECLAMATION, AND REVEGETATION

Based on laboratory analytical results from confirmation soil samples, the reclaimed area will be backfilled with locally sourced clean topsoil. The reclaimed areas will be ripped and bermed or water-barred to achieve erosion control, surface stability, and preservation of surface water flow.



Preparation and Seeding

Preparation of reclaimed areas will include cross-ripping to prepare the seedbed with two-foot furrows as deep as possible without bringing rock material back to the surface. The prepared areas will be seeded with NMSLO-approved seed mixtures. Within 30 days of completion of reclamation activities, the seed will be applied using broadcast methods at double drill seed application quantities as prescribed by NMSLO Mix Data sheet. Seed mixtures will be free of noxious weeds. Traffic control berms discussed below will also be seeded.

Traffic Control and Access Restriction

As discussed above, earthen berms will be installed to restrict access and vehicular traffic through reclamation areas during the revegetation process. If berms proved unsuccessful long term at preventing disturbance to the reclamation area, fencing will be installed to further restrict site access.

Vegetation Monitoring

Vegetation monitoring will be conducted in accordance with the New Mexico State Land Office Southeastern New Mexico Revegetation Handbook. Devon Energy acknowledges that a revised handbook is in development, and any applicable updated will be incorporated into the vegetation monitoring plan once published.

Revegetation typically requires approximately three years to be considered complete for reclamation purposes. After the first growing season, the revegetation area may initially appear sparse, with a mix of annual weeds, grasses, and other reclamation vegetation in the early stages of emergence.

By the second full growing season, pioneer reclamation grass species should be clearly visible, and grasses will typically begin to dominate over the annual weeds, although they may still be present. If there have been typical to above-average precipitation levels, revegetation will likely improve, with drought-tolerant species helping to support the growth. By the end of the third full growing season, the success of the revegetation efforts can generally be assessed.

Reclamation areas will be monitored semi-annually for growth, noxious weed management, and the need for additional reclamation activities until the required revegetation is completed. The following NMSLO-prescribed observational assessment methodology will guide the revegetation monitoring process during these semi-annual evaluations:

- Current conditions will be photographed with emphasis on problem areas, and ocular estimations of plant cover, production, and density will also be documented with photographs.
- Revegetation results will be compared to adjacent native areas.
- Erosional features such as gullies, rills, and sheet erosion will be recorded and photographed.
- Invasive and noxious weeds will be identified and photographed, and mitigation measures will be developed and implemented if required.
- Any grazing or overgrazing will be documented.
- Wildlife impacts will be documented to include rodents, rabbits, and large grazers.

The standard that will be employed to determine reclamation and revegetation progress is the comparison of the reclaimed and revegetated area with the adjacent native rangeland. This comparison may utilize ocular estimation or remote sensing of plant community cover, production, and diversity.



SCHEDULE

Upon approval of this Reclamation Report, Devon Energy will carry out the reclamation activities described above on the site within 25 years, provided that production and/or subsequent drilling operations have been completed. Once Reclamation activities are complete, a reclamation report will be prepared for the Site and submitted to the NMSLO.

CONCLUSION

The long-term goal of final reclamation is to restore the ecosystem, including the natural vegetation community, hydrology, and wildlife habitats. This involves returning the land to a condition that closely resembles or equals its state prior to disturbance. According to ECO's guidance, reclamation is deemed successful when the reclaimed areas achieve a vegetation density greater than 70-percent of pre-disturbance coverage, excluding invasive or noxious weeds. Once the disturbed areas reach a representative vegetative cover and are considered successful, the former pad area associated with the Site will be deemed reclaimed in accordance with 19.2.100.67 NMAC.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dvn.com.

Pima Environmental – Lynsey Coons at 575-318-7532 or lynsey@pimaoil.com.

Respectfully,

Lynsey Coons

Lynsey Coons

Project Manager

Pima Environmental Services, LLC



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ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map

APPENDICES:

Appendix A – Water Surveys, Surface Water Map

Appendix B – Soil Survey, Geological Data, FEMA Flood Map, Wetlands Map

Appendix C – 48-Hour Notification, Liner Inspection Form

Appendix D – Photographic Documentation

Appendix E – Laboratory Results



FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map





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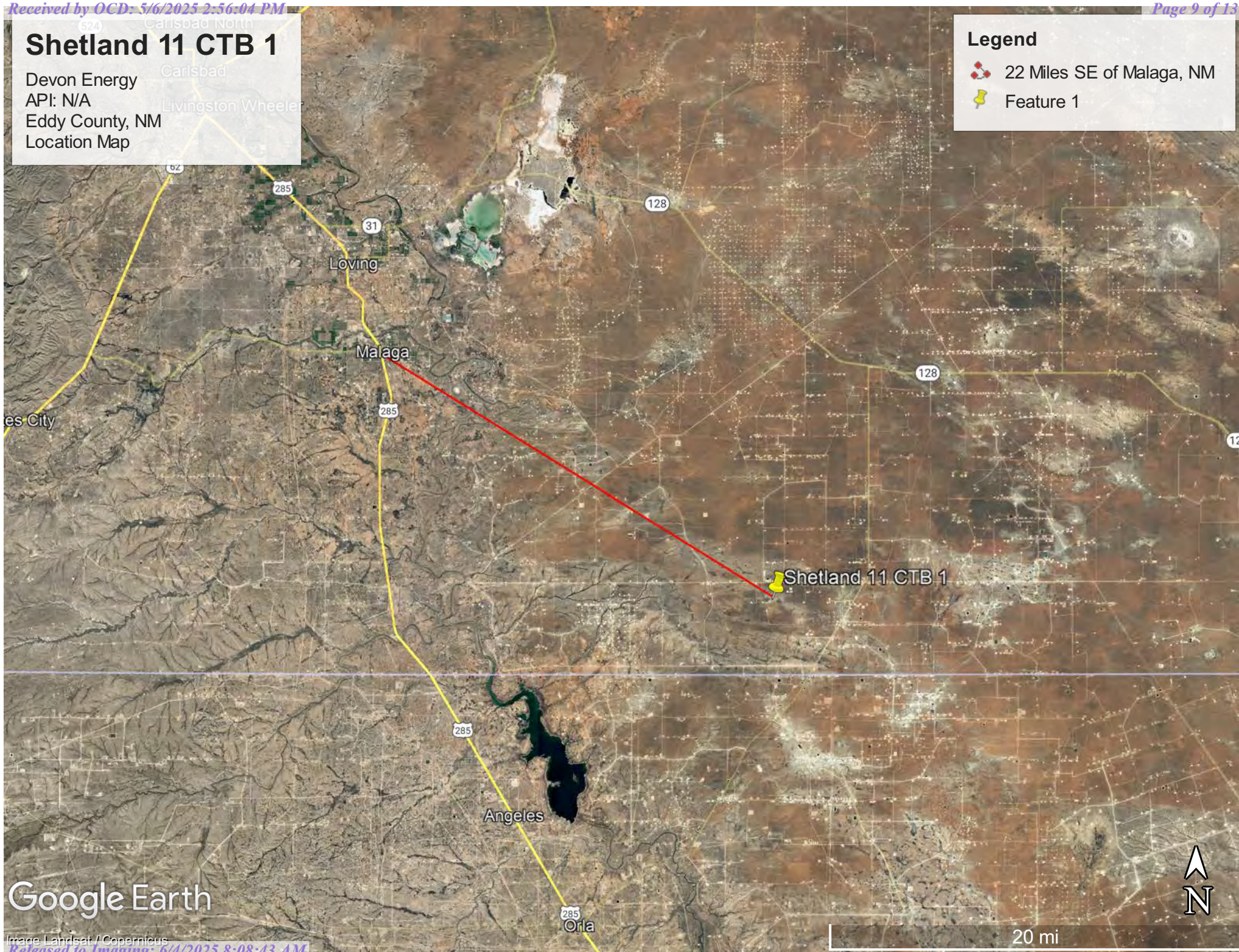
DEVON ENERGY PRODUCTION, LP.

Shetland 11 CTB 1

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

Legend

-  22 Miles SE of Malaga, NM
-  Feature 1



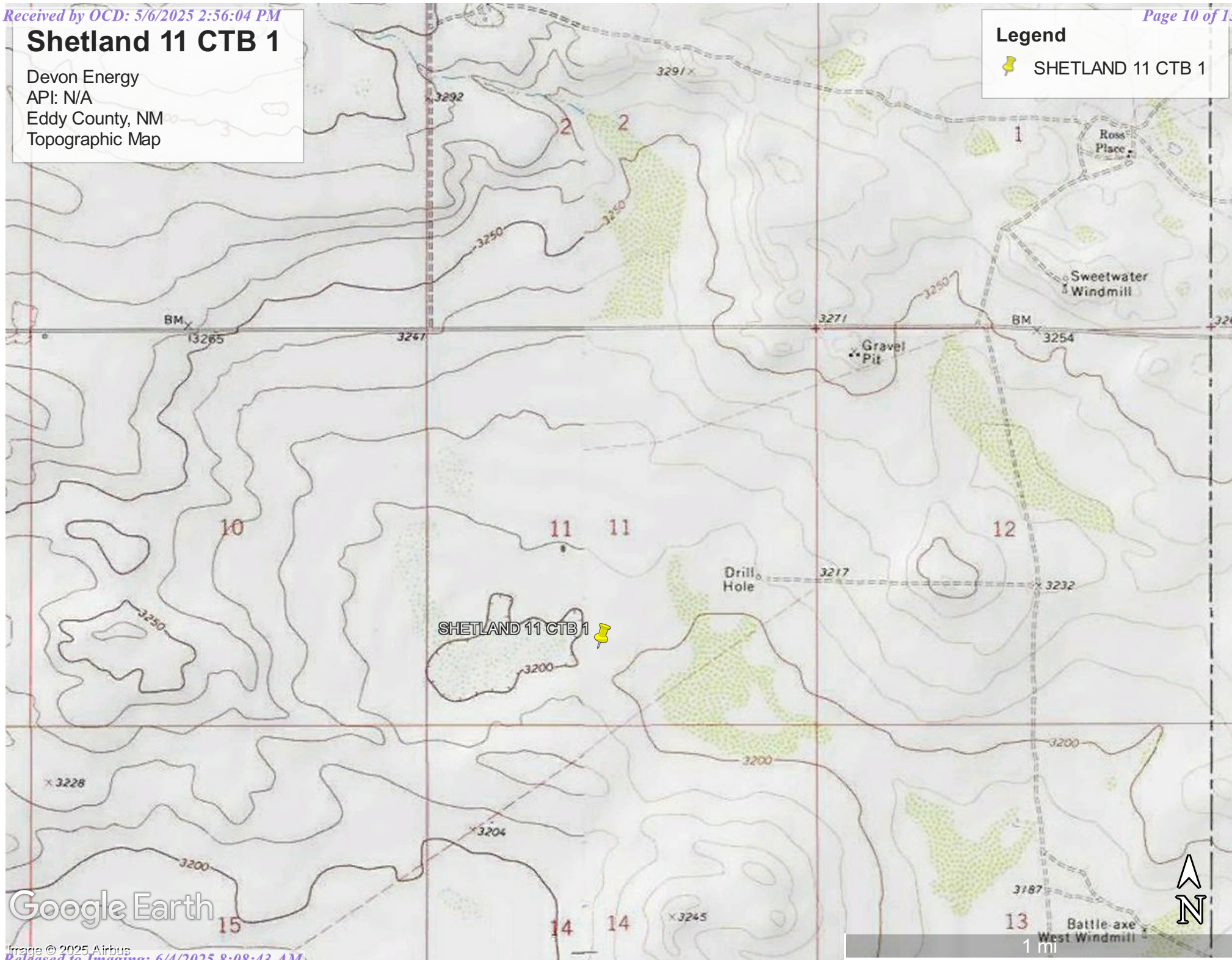
Google Earth

Shetland 11 CTB 1

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

Legend

 SHETLAND 11 CTB 1

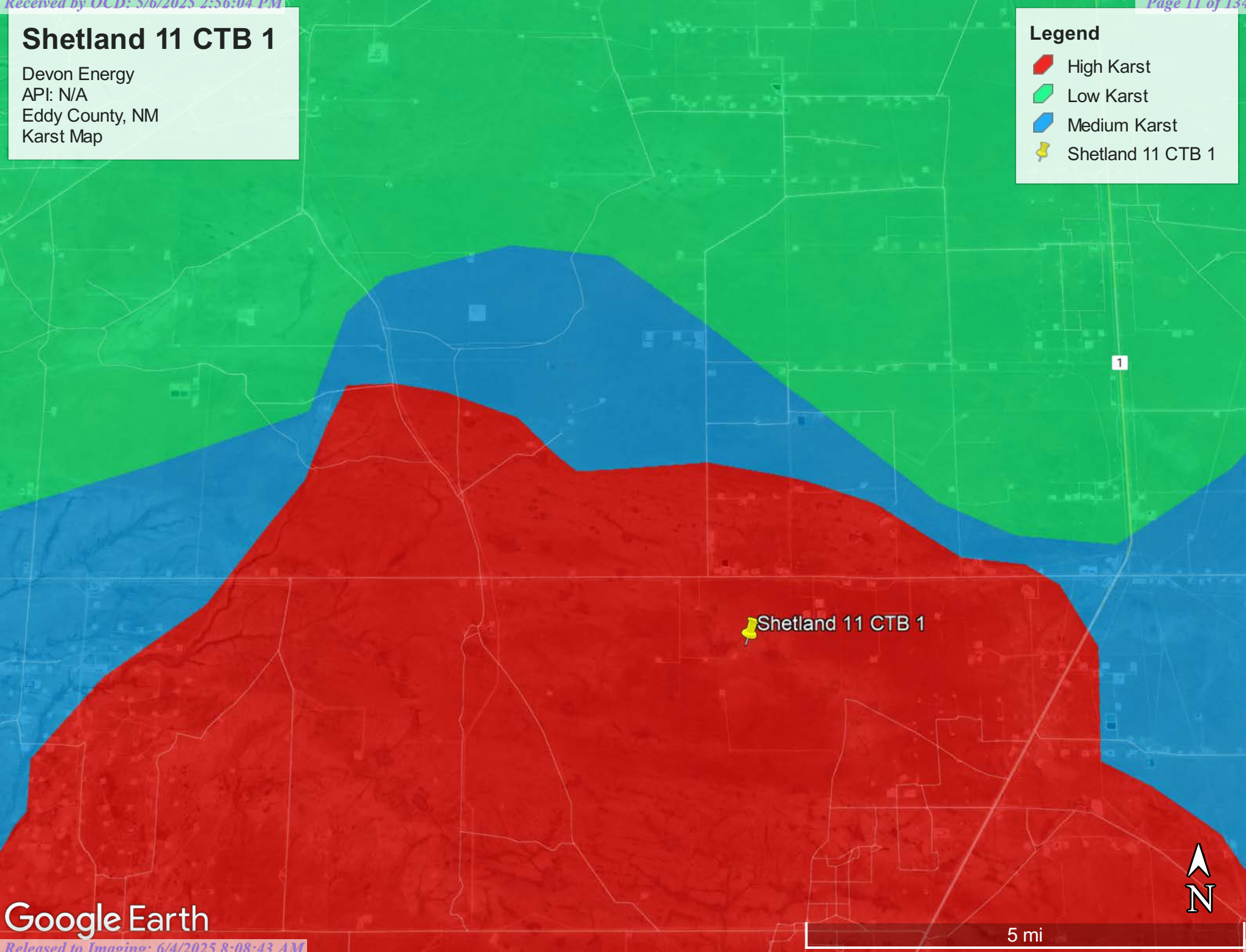


Google Earth

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



Assessment Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Shetland 11 CTB 1 NAPP2401523877								
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

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50 ')								
DEVON ENERGY - Shetland 11 CTB 1 NAPP2401523877								
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	Cl mg/kg
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

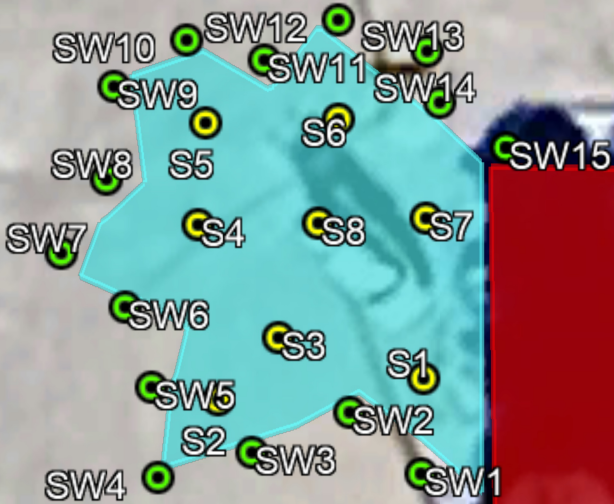
Shetland 11 CTB 1

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

Legend

over-spray

Shetland 11 CTB 1



Shetland 11 CTB 1



APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map



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DEVON ENERGY PRODUCTION, LP.



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
C 04637 POD1		CUB	ED	4	4	3	02	26S	31E	618068	3548423	1370	51		
C 04700 POD1		CUB	ED	2	1	2	10	26S	31E	616736	3548154	1673			
C 02090		C	ED		4	4	01	26S	31E	620329	3548533*	2760	350	335	15
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	3108	700	365	335
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657	3243	340	155	185
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257	3247	666	340	326
C 03554 POD2		CUB	ED	2	2	4	01	26S	31E	620527	3549105	3256	650	355	295
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	3299	630	300	330
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619	3299	360	155	205
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186	3385	646	350	296
C 04769 POD1		CUB	ED	2	1	2	21	26S	31E	615225	3544832	3553	101		
C 01777		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

UTMNAD83 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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02090	4	4	01	26S	31E	620329	3548533*	
x									
Driller License:					Driller Company:				
Driller Name:									
Drill Start Date:					Drill Finish Date:		12/31/1965	Plug Date:	
Log File Date:					PCW Rcv Date:			Source:	
Pump Type:					Pipe Discharge Size:			Estimated Yield: 5 GPM	
Casing Size: 8.00		Depth Well:				350 feet	Depth Water: 335 feet		
x									

*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.

2/29/24 10:31 AM

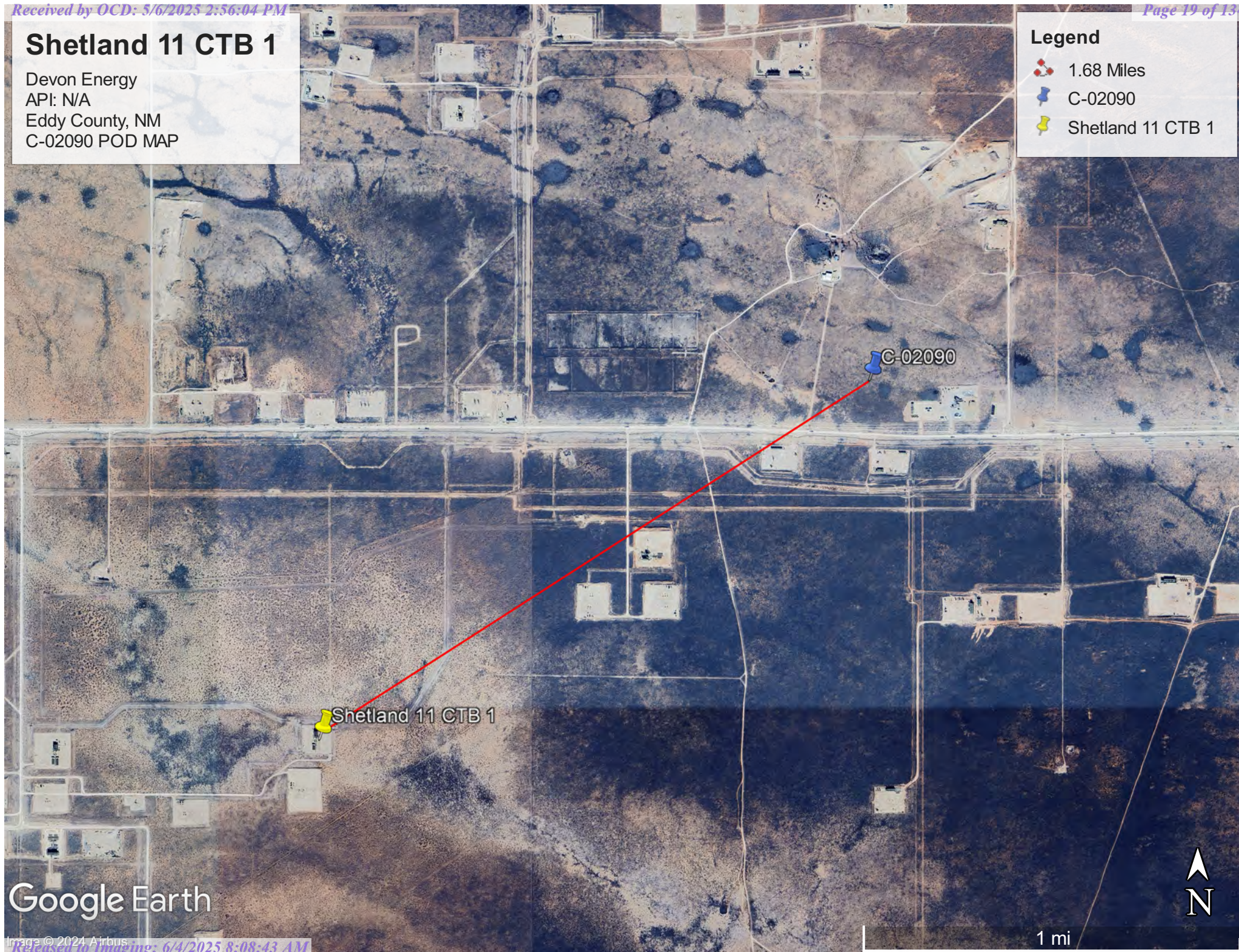
POINT OF DIVERSION SUMMARY

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.

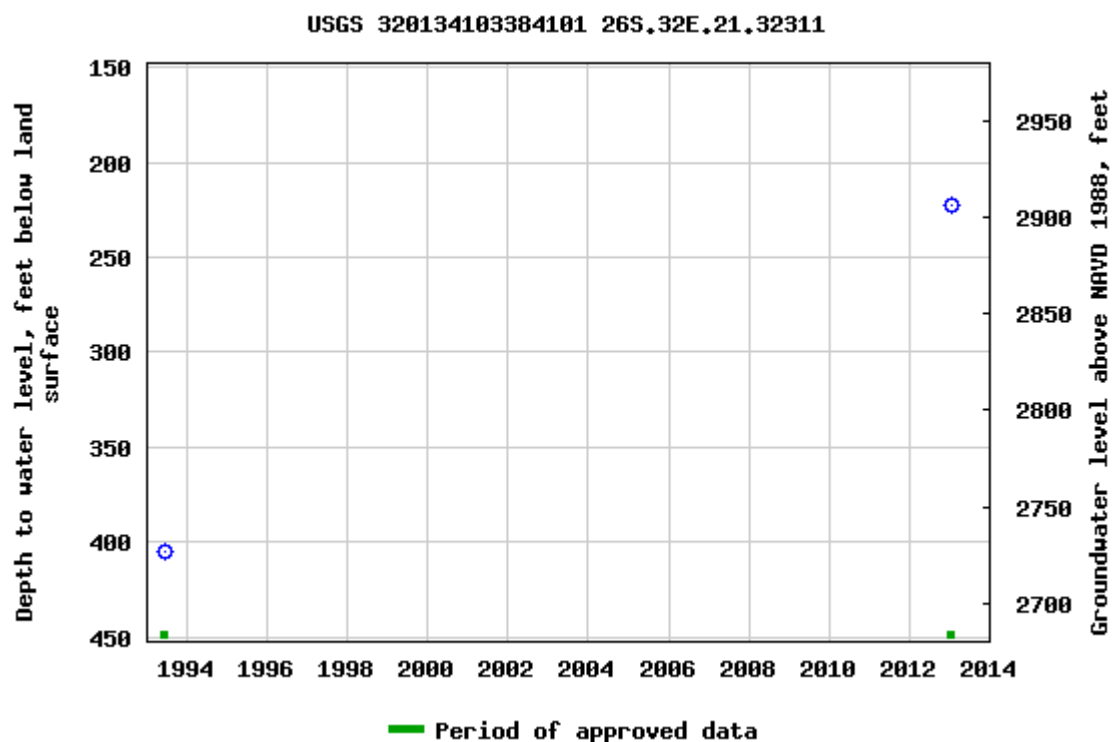
Output formats

[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

Shetland 11 CTB 1

USGS 320134103384101

Google Earth

Image © 2023 Maxar Technologies

Image © 2023 CNES / Airbus

Released to Imaging: 6/4/2025 8:08:43 AM



2 mi

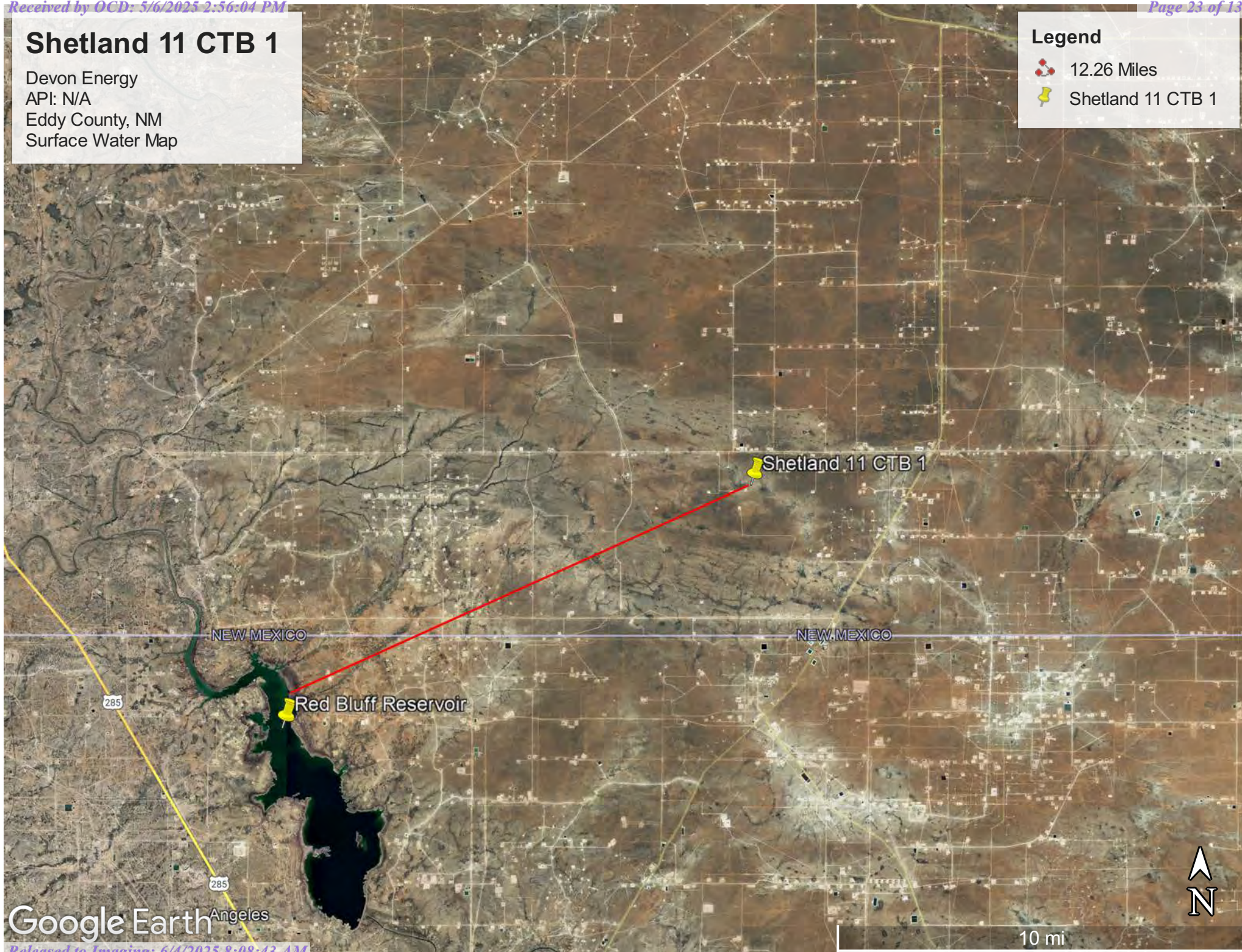


Shetland 11 CTB 1

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

Legend

-  12.26 Miles
-  Shetland 11 CTB 1



APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map

FEMA Flood Map

Wetlands Map



Pima Environmental Services, LLC
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DEVON ENERGY PRODUCTION, LP.

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

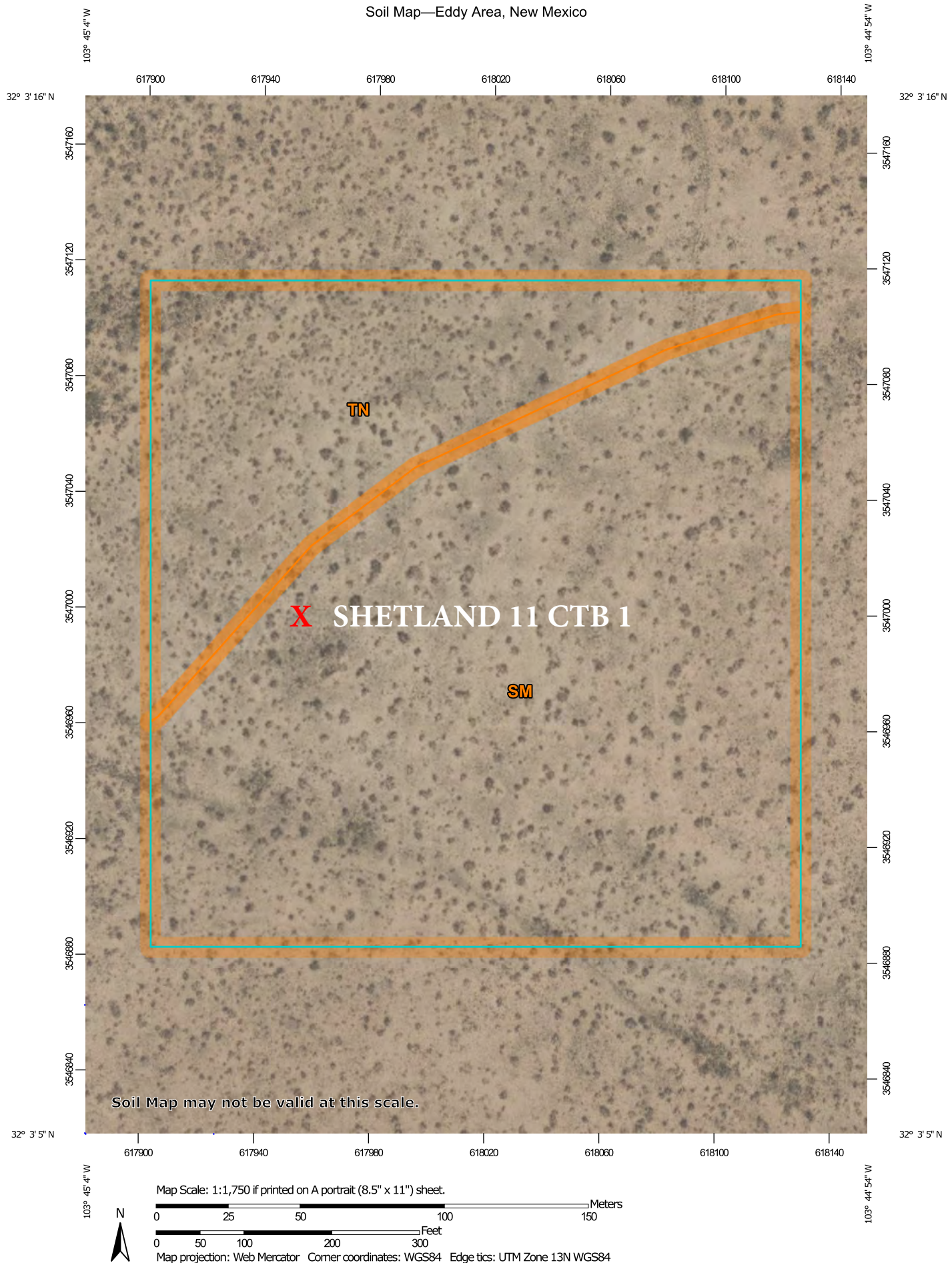
Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023



Soil Map—Eddy Area, New Mexico




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/1/2025
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SM	Simona-Bippus complex, 0 to 5 percent slopes	9.4	72.5%
TN	Tonuco loamy fine sand, 0 to 3 percent slopes, eroded	3.5	27.5%
Totals for Area of Interest		12.9	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)
/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)
/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0) JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

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.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

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Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)

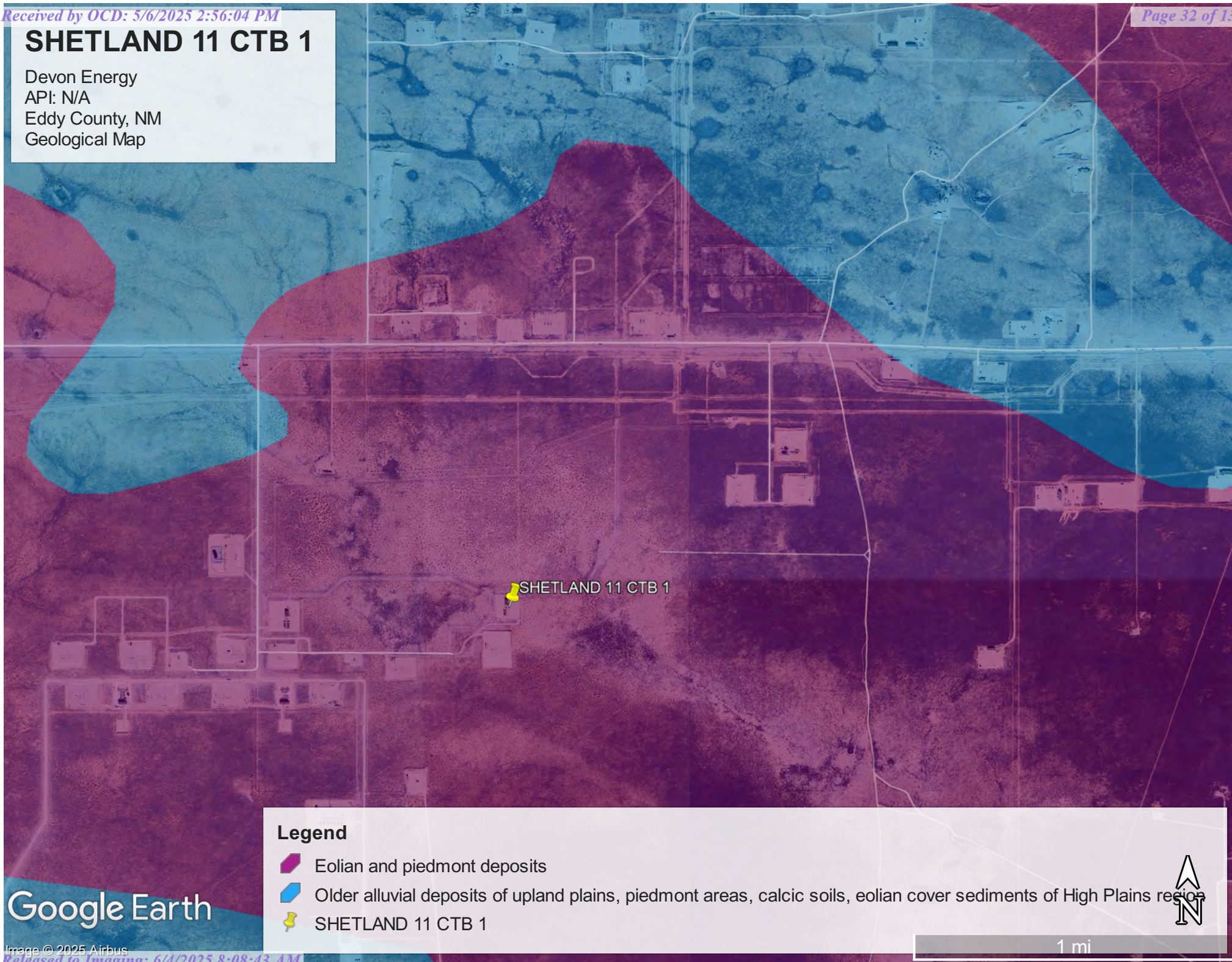
U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |

White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |




No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

SHETLAND 11 CTB 1

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



Legend

-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  SHETLAND 11 CTB 1

Google Earth

Image © 2025 Airbus

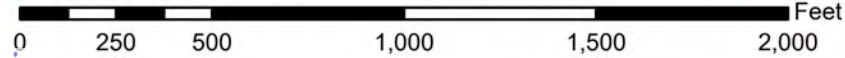
1 mi



National Flood Hazard Layer FIRMMette



103°45'19"W 32°3'28"N



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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **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: 6/4/2025 8:08:43 AM







Received by OCD: 5/8/2025 2:56:04 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.

APPENDIX C

48-Hour Notification

Liner Inspection Form



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Liner Inspection (C-141L) Application

Submission Information

Submission ID:	318173	Districts:	Artesia
Operator:	[6137] DEVON ENERGY PRODUCTION COMPANY, LP	Counties:	Eddy
Description:	DEVON ENERGY PRODUCTION COMPANY, LP [6137] , SHETLAND 11 CTB 1 , nAPP2401523877		
Status:	APPROVED		
Status Date:	02/27/2024		
References (2):	fAPP2123649550, nAPP2401523877		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2401523877
Incident Name	NAPP2401523877 SHETLAND 11 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123649550] SHETLAND 11 CTB 1

Location of Release Source

Site Name	SHETLAND 11 CTB 1
Date Release Discovered	01/12/2024
Surface Owner	Federal

Liner Inspection Event Information

Please answer all the questions in this group.

What is the liner inspection surface area in square feet	7,388
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/29/2024
Time liner inspection will commence	08:15 AM
<div>Warning: Notification can not be less than two business days prior to conducting liner inspection.</div>	
Please provide any information necessary for observers to liner inspection	Andrew Franco 806-200-0054
Please provide any information necessary for navigation to liner inspection site	D-11-26S-31E, (32.053023, -103.749823 NAD83) From the intersection of Orla Rd (C1) and Pipeland Rd, trav 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,

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *wdale (2/27/2024)*, 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.

Reasons

No reasons found for this submission.

Go Back



Pima Environmental Services, LLC

Liner Inspection FormCompany 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

Steel w/poly liner 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

APPENDIX D

Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.



SITE PHOTOGRAPHS

DEVON ENERGY

Shetland 11 CTB 1

Liner Inspection











Assessment





APPENDIX E

Laboratory Results



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

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,

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

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

Field Offices:

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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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
Volatile Organics by EPA 8021B						
	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>						
	95.9 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	116 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	95.8 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	123 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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
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- 3'

E401090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	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	

S1- 4'

E401090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	95.3 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	90.4 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	118 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	94.6 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	91.7 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	129 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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
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

S2- 3'

E401090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	94.5 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	90.6 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	125 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A						
	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
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

S2- 4'

E401090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	96.8 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	90.8 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	127 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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>						
	93.6 %	70-130		01/18/24	01/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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>						
	125 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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

S3- 4'

E401090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	93.2 %	70-130		01/18/24	01/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	90.6 %	70-130		01/18/24	01/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	117 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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- 2'

E401090-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	91.6 %	70-130		01/18/24	01/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	122 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	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	

S4- 4'

E401090-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B	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>	<i>91.7 %</i>	<i>70-130</i>		<i>01/18/24</i>	<i>01/20/24</i>	
Nonhalogenated Organics by EPA 8015D - GRO	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>	<i>91.7 %</i>	<i>70-130</i>		<i>01/18/24</i>	<i>01/20/24</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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>	<i>118 %</i>	<i>50-200</i>		<i>01/18/24</i>	<i>01/19/24</i>	
Anions by EPA 300.0/9056A	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
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- 2'

E401090-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	91.6 %	70-130		01/18/24	01/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	122 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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: 1/24/2024 11:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

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

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

Client: Pima Environmental Services Project: <u>Shetland II CTB I</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>358</u>					Lab Use Only Lab WO# <u>E 461 090</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program 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															
Additional Instructions: <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	Lab Use Only Received on ice: <u>Y</u> / N												
<u>Karine 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												
<u>Andrew Adams</u> <u>Andrew Adams</u>		1-17-24	1645	<u>Andrew Adams</u> <u>Andrew Adams</u>		1-17-24	1645	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

Page 2 of 5

Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shetland 11 GTB 1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>358</u>					Lab Use Only Lab WO# <u>E401090</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	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															
Additional Instructions: <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. Sampled by:																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> / N T1 T2 T3 AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
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.																				


envirotech

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: 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? 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

No. of Containers are 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.

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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shetland 11 CTB 1	Reported: 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 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- 1'

E401091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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>	94.0 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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>	97.8 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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>	82.8 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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

S6- 2'

E401091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	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	

S7- 2'

E401091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	96.3 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	99.8 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	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	

S7- 4'

E401091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	96.3 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	98.0 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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	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	

S8- 1'

E401091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	96.0 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.9 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	99.3 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	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	

S8- 4'

E401091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	96.4 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.4 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	106 %	50-200		01/18/24	01/18/24	
Anions by EPA 300.0/9056A	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
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

SW1

E401091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	99.3 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	108 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reported: 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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

SW4

E401091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	99.6 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	95.0 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	95.0 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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
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

SW5

E401091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	97.5 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	93.4 %	70-130		01/18/24	01/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	90.8 %	50-200		01/18/24	01/19/24	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

SW7

E401091-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW8

E401091-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

SW11

E401091-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

SW12

E401091-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

SW14

E401091-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

SW15

E401091-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

BG1

E401091-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2024 11:17:56AM

Volatile Organic Compounds by EPA 8260B

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 (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			



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 Organics by EPA 8021B

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

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: E401091-10

Prepared: 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: E401091-10

Prepared: 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: 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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: 1/24/2024 11:17:56AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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

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

Client: Pima Environmental Services Project: <u>Shetland II CTB 1</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>358</u>					Lab Use Only Lab WO# <u>E401091</u> Job Number <u>010580007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program 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															
Additional Instructions: <u>B# 21280056</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling 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

Client: Pima Environmental Services Project: Shetland II CTB I Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 358					Lab Use Only Lab WO# E401091 Job Number G1058-0001 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
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															
Additional Instructions: 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: 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? 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.

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QUESTIONS

Action 459403

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401523877
Incident Name	NAPP2401523877 SHETLAND 11 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation 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 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
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@dmn.com Date: 03/04/2024
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Action 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<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>	
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
<i>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.</i>	
<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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Action 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
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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Action 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
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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Action 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	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@dmn.com Date: 03/04/2024

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QUESTIONS, Page 7

Action 459403

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1956
What was the total volume of replacement material (in cubic yards) for this site	0
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	12/01/2040
Summarize any additional reclamation activities not included by answers (above)	Sampling completed not further remediation needed.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/06/2025

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QUESTIONS, Page 8

Action 459403

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] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 459403

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459403
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2401523877 SHETLAND 11 CTB 1, thank you. This Reclamation Report is approved.	6/4/2025