



REMEDIATION CLOSURE REPORT

Incident ID NAPP2322022867

Fighting Okra 18 CTB 4

Facility: FAPP2123136022

Prepared By:
Pima Environmental Services, LLC

Prepared For:
Devon Energy Production, LP

August 5, 2024
Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240

Pima Environmental Services

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

August 5, 2024

NMOCD District 2
811 S. First Street
Artesia, NM 88210**Re: Site Assessment, Remediation, and Closure Report**
Fighting Okra 18 CTB 4
API No. N/A
GPS: Latitude 32.047834 Longitude -103.509691
UL - C, Section 18, T26S, R34E
Lea County, NM
NMOCD Ref. No. NAPP2322022867

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Site Assessment, Remediation, and Closure Report for a produced water release that occurred at the Fighting Okra 18 CTB 4 (Fighting Okra). The incident was assigned incident NAPP2322022867 on August 22, 2023, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Fighting Okra is located approximately nineteen (19) miles Southwest of Jal, NM. This spill site is in Unit C, Section 18, Township 26S, Range 34E, Latitude 32.047834 Longitude -103.509691, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well-drained. There is a low potential for karst geology to be present around the Fighting Okra (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04626-POD 1), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned at the Fighting Okra. This well was drilled on June 9, 2023. Conversely, as per the United States Geological Survey well water data (USGS320059103333501), the nearest groundwater depth in this region is recorded at 76 feet BGS, situated approximately 3.42 miles away from the Fighting Okra, with the last gauge conducted in 2000 (Appendix A).

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100' (C-04626-POD 1)	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

Fighting Okra 18 CTB 4|Devon Energy

Release Information

NAPP2322022867: On August 7, 2023, Lease operator found a pin hole on the 6H 3-phase water leg ball valve. The released fluids were calculated to be approximately 1.9 barrels (bbls) of produced water. A vacuum truck was called and was available to recover approximately 1 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On March 25, 2024, Pima mobilized personnel to the site to collect soil samples from the spill area using a hand auger. On May 2, 2024, Pima returned to the site to further delineate the area. The laboratory results of these sampling events are provided in the following data table. A site map is available in Figure 4.

3-25 & 5-2-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')									
DEVON ENERGY -FIGHTING OKRA 18 CTB 4-NAPP2322022867									
NM Approved Laboratory Results									
Sample ID	Sample Date:	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	3/25/2024	1'	ND	ND	ND	255	245	500	216
		2'	ND	ND	ND	322	321	643	199
		3'	ND	ND	ND	478	452	930	227
		4'	ND	ND	ND	393	395	788	210
S2	3/25/2024	5'	ND	ND	ND	ND	ND	0	ND
		1'	ND	ND	ND	ND	ND	0	ND
		2'	ND	ND	ND	ND	ND	0	ND
		3'	ND	ND	ND	ND	ND	0	ND
S3	3/25/2024	4'	ND	ND	ND	ND	ND	0	ND
		1'	ND	ND	ND	ND	ND	0	ND
		2'	ND	ND	ND	ND	ND	0	ND
		3'	ND	ND	ND	ND	ND	0	ND
S4	3/25/2024	4'	ND	ND	ND	ND	ND	0	ND
		1'	ND	ND	ND	ND	ND	0	ND
		2'	ND	ND	ND	ND	ND	0	ND
		3'	ND	ND	ND	ND	ND	0	ND
SW1	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND
SW2	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND
SW3	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND
SW4	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND
SW5	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND
BG1	3/25/2024	1-4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On July 18, 2024, the Devon Construction Department mobilized personnel and equipment to initiate immediate remediation activities. They began excavating the area to a depth of 6" foot below ground surface (BGS). A total of 4 cubic yards of contaminated soil was hauled to R360 Antelope Draw, an approved, lined disposal facility and clean backfill material was brought in.

On July 19, 2024, after sending a 48-hour notification (application ID: 364853, Appendix C), Pima returned to the site to collect 5-point confirmation samples from the excavation. The 5-point composite samples were taken from the exposed excavation sidewalls and bottom samples were collected at 6 inches deep. The results of this sampling event are provided in the following table, and a Confirmation Sample Map can be found in Figure 5.

7-19-24 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Fighting Okra 18 CTB 4 -NAPP2322022867								
Sample Date: 7-19-24		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
CS1	6" comp	ND	ND	ND	ND	ND	0	ND
CS2	6" comp	ND	ND	ND	ND	ND	0	ND
CSW1	0-6" comp	ND	ND	ND	ND	ND	0	ND
CSW2	0-6" comp	ND	ND	ND	ND	ND	0	ND
CSW3	0-6" comp	ND	ND	ND	ND	ND	0	ND
CSW4	0-6" comp	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed and then transported to R360 Antelope Draw, an NMOCD approved disposal site. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2322022867, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey, Geological Data, FEMA, and Wetlands Map
- Appendix C – 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map



Figure 4- Site Map

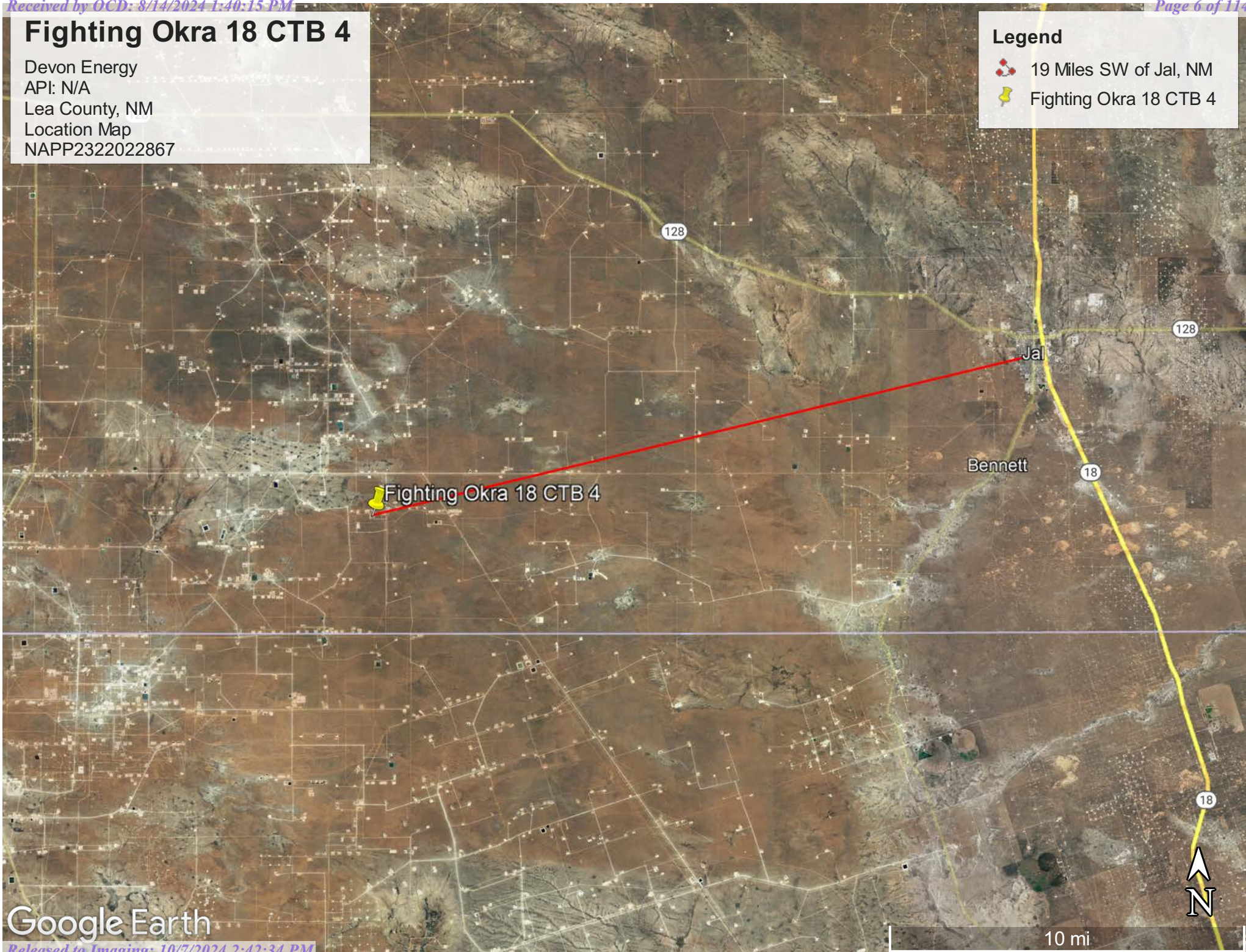
Figure 5- Confirmation Sample Map

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
Location Map
NAPP2322022867

Legend

-  19 Miles SW of Jal, NM
-  Fighting Okra 18 CTB 4




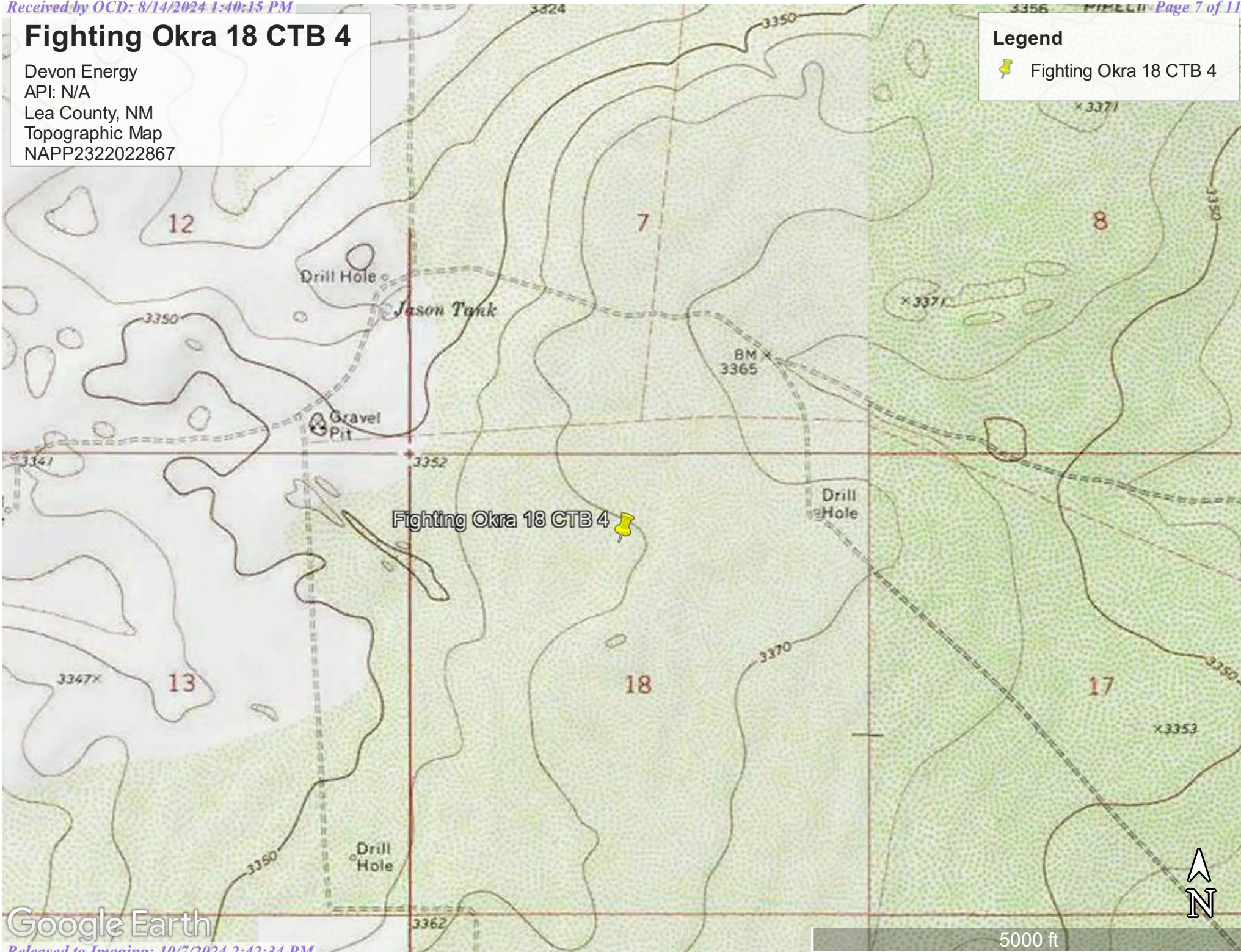
Google Earth

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
Topographic Map
NAPP2322022867

Legend

 Fighting Okra 18 CTB 4







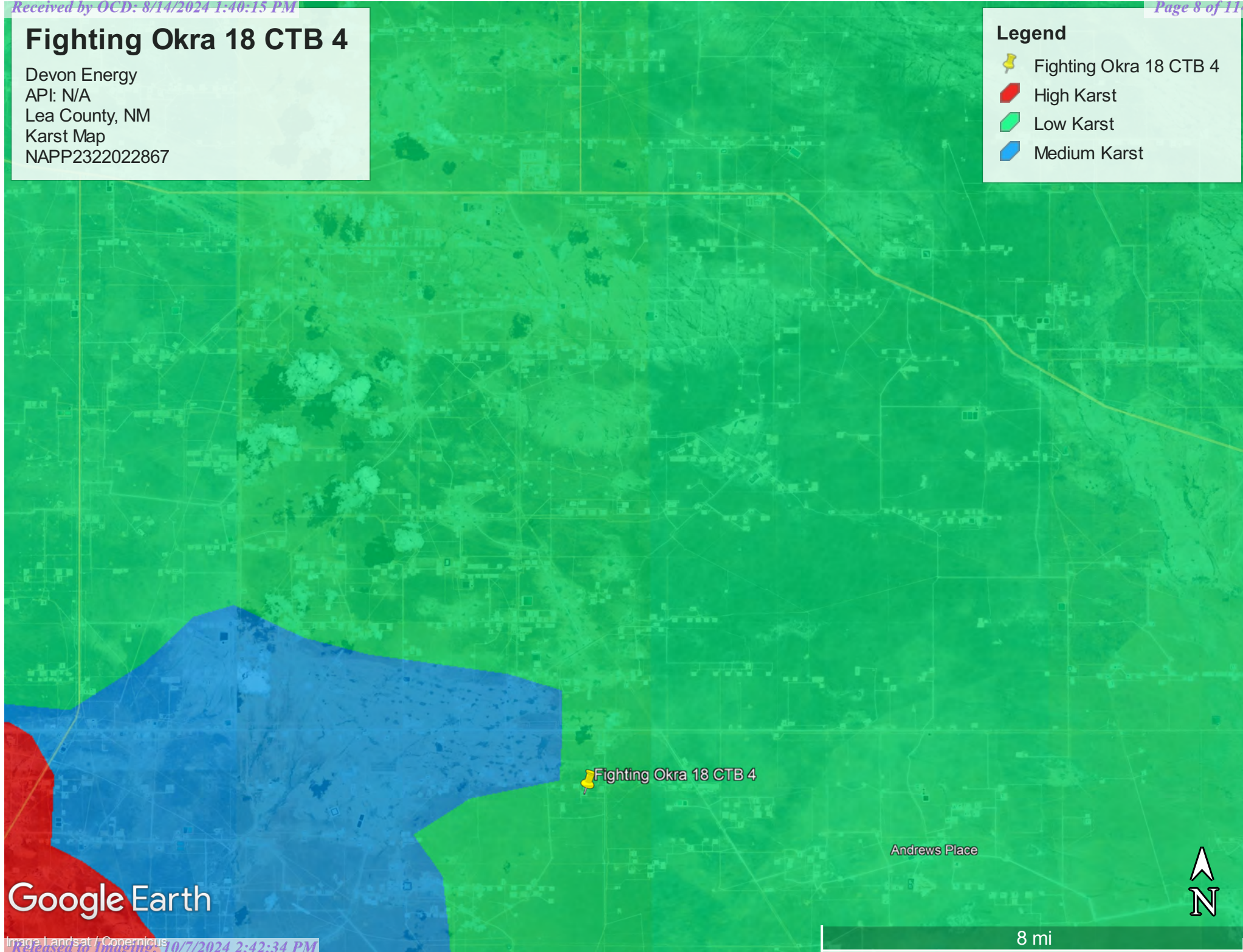
Google Earth

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
Karst Map
NAPP2322022867

Legend

-  Fighting Okra 18 CTB 4
-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Fighting Okra 18 CTB 4

Devon Energy
API:N/A
Lea County, NM
Site Map
NAPP2322022867

Legend

- Samples
- 📌 Fighting Okra 18 CTB 4
- ▬ NAPP2322022867 382 Sqft
- Sidewalls/Background

BG1

Fighting Okra 18 CTB 4

SW3
S3
SW2
S2
S1
S4
SW4
SW1



100 ft

Google Earth

Fighting Okra 18 CTB 4

Devon Energy
API:N/A
Lea County, NM
Confirmation Sample Map
NAPP2322022867

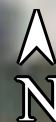
Legend

- Confirmation Samples
- Fighting Okra 18 CTB 4

Fighting Okra 18 CTB 4

CSW3
CS2
CSW2 CSW4
CS1
CSW1

Google Earth



30 ft



Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	67			
C 02295		CUB	LE	2	2	4	12	26S	33E	639865	3547624	1241	250	200	50
C 02293		CUB	LE	2	2	1	14	26S	33E	637501	3546975	3212	200	135	65
C 02294		CUB	LE	4	4	3	11	26S	33E	637465	3547003	3250	200	145	55
C 02292 POD1		CUB	LE	4	1	2	06	26S	34E	640992	3549987	3291	200	140	60
C 03442 POD1		C	LE	4	1	2	06	26S	34E	641056	3550028	3338	251		
C 03441 POD1		C	LE	4	1	2	06	26S	34E	640971	3550039	3342	250		
C 02291		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	3433	220	160	60
C 04628 POD1		CUB	LE	1	1	2	01	26S	33E	639121	3550219	3850			
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	4349	55		
C 02289		CUB	LE	4	4	4	03	26S	33E	636612	3548675*	4538	200	160	40
C 02288		CUB	LE	4	4	4	03	26S	33E	636646	3548758	4545	220	180	40
C 02285 POD1		CUB	LE	1	4	4	03	26S	33E	636613	3548855	4618	220	220	0
C 02290		CUB	LE	4	4	4	03	26S	33E	636538	3548770	4647	200	160	40
C 02286		CUB	LE	3	4	4	03	26S	33E	636470	3548714	4684	220	175	45
C 02287		C	LE	3	4	4	03	26S	33E	636427	3548708	4719	220		

Average Depth to Water: **167 feet**
Minimum Depth: **135 feet**
Maximum Depth: **220 feet**

Record Count: 16

UTM NAD83 Radius Search (in meters):

Easting (X): 640702.37

Northing (Y): 3546708.29

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.

8/24/23 2:52 PM

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04626 POD1	4	2	1	18	26S	34E	640644	3546672

x

Driller License:	1249	Driller Company:	ATKINS ENGINEERING ASSOC. INC.	
Driller Name:	JACKIE ATKINS			
Drill Start Date:	06/09/2022	Drill Finish Date:	06/09/2022	Plug Date:
Log File Date:	06/16/2022	PCW Rcv Date:		Source:
Pump Type:		Pipe Discharge Size:		Estimated Yield:
Casing Size:		Depth Well:		Depth Water:

x

Casing Perforations:	Top	Bottom
	0	55

x

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.




5/29/24 1:00 PM

POINT OF DIVERSION SUMMARY

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
OSE POD MAP
NAPP2322022867

Legend

-  0.04 of a mile
-  C-04626-POD 1)
-  Fighting Okra 18 CTB 4

Fighting Okra 18 CTB 4

~~C-04626-POD 1)~~

Google Earth

600 ft





[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

① How are we doing? We want to hear from you. Take our quick [survey](#) to tell us what you think.

- 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

① Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 320059103333501

Minimum number of levels = 1

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

USGS 320059103333501 26S.33E.27.21112

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°01'16.0", Longitude 103°33'33.9" NAD83

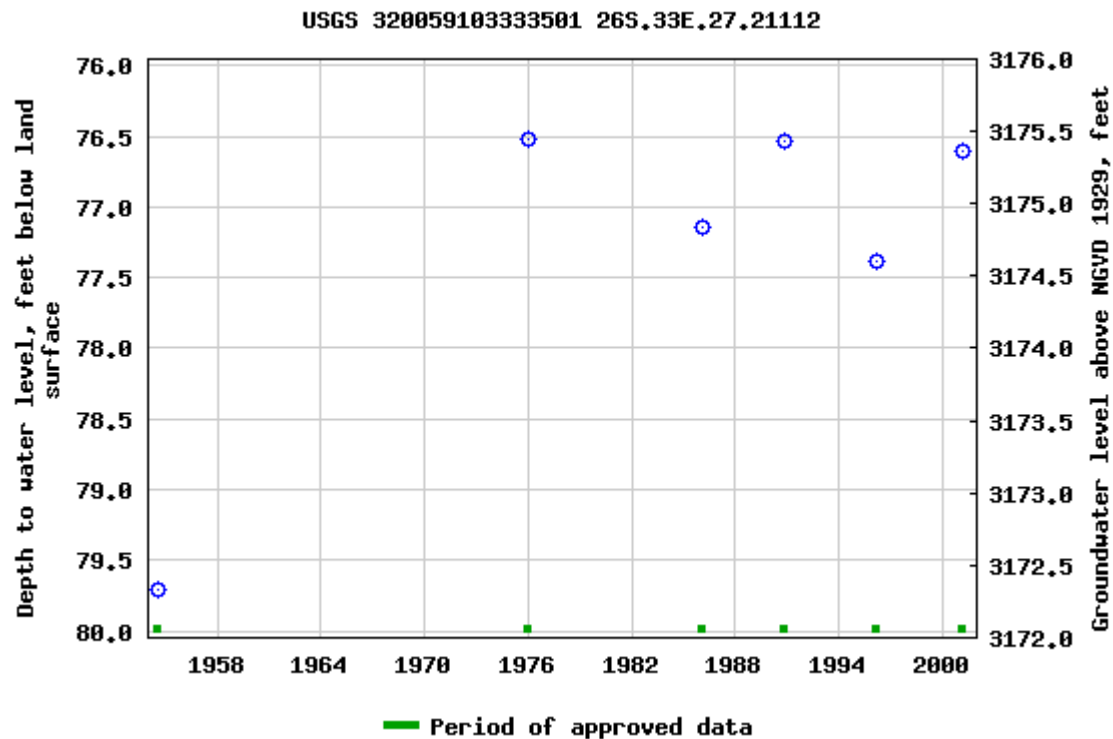
Land-surface elevation 3,252.00 feet above NGVD29

The depth of the well is 200 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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: 2023-08-24 16:51:08 EDT

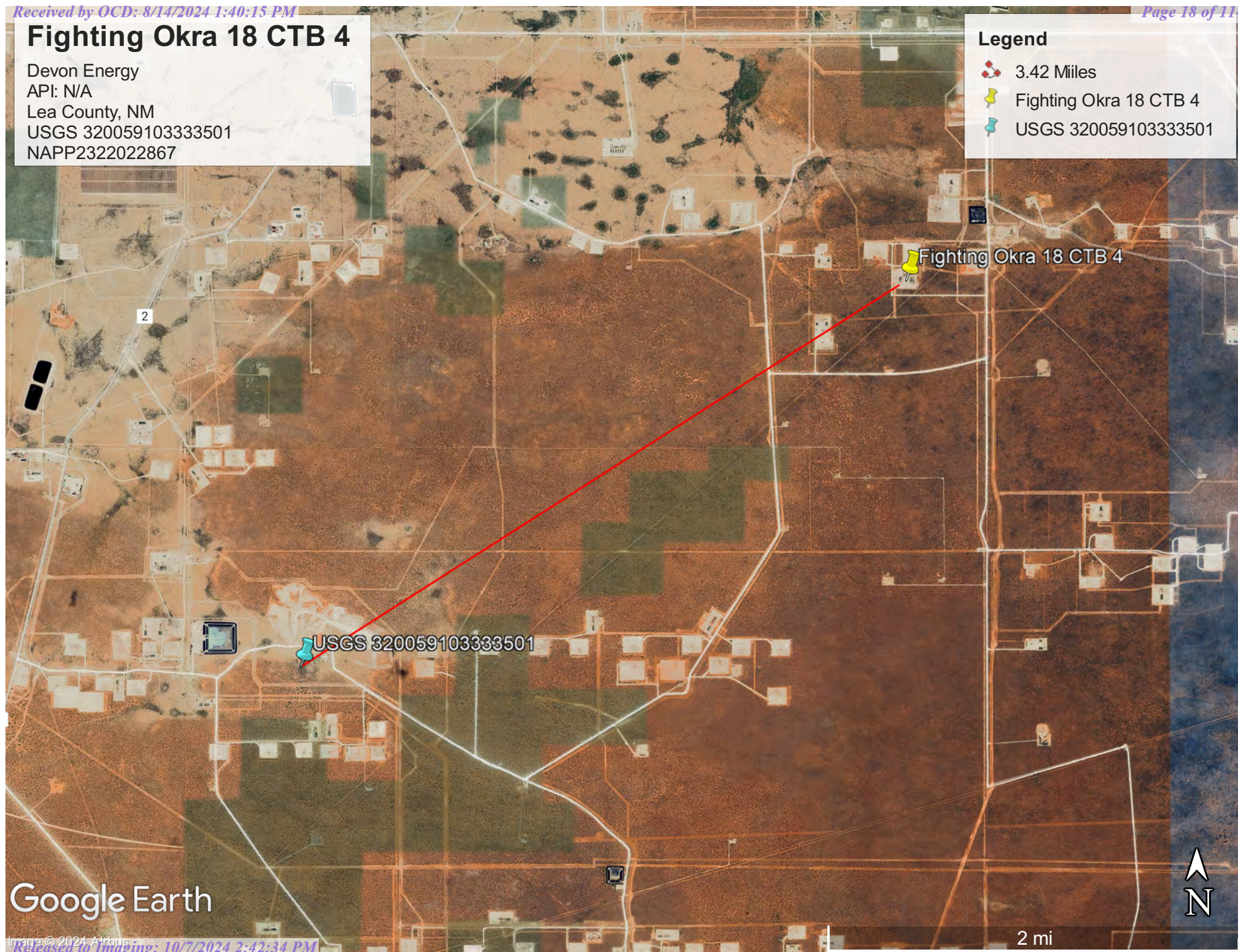
0.61 0.51 nadww01

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
USGS 320059103333501
NAPP2322022867

Legend

- 3.42 Miles
- Fighting Okra 18 CTB 4
- USGS 320059103333501





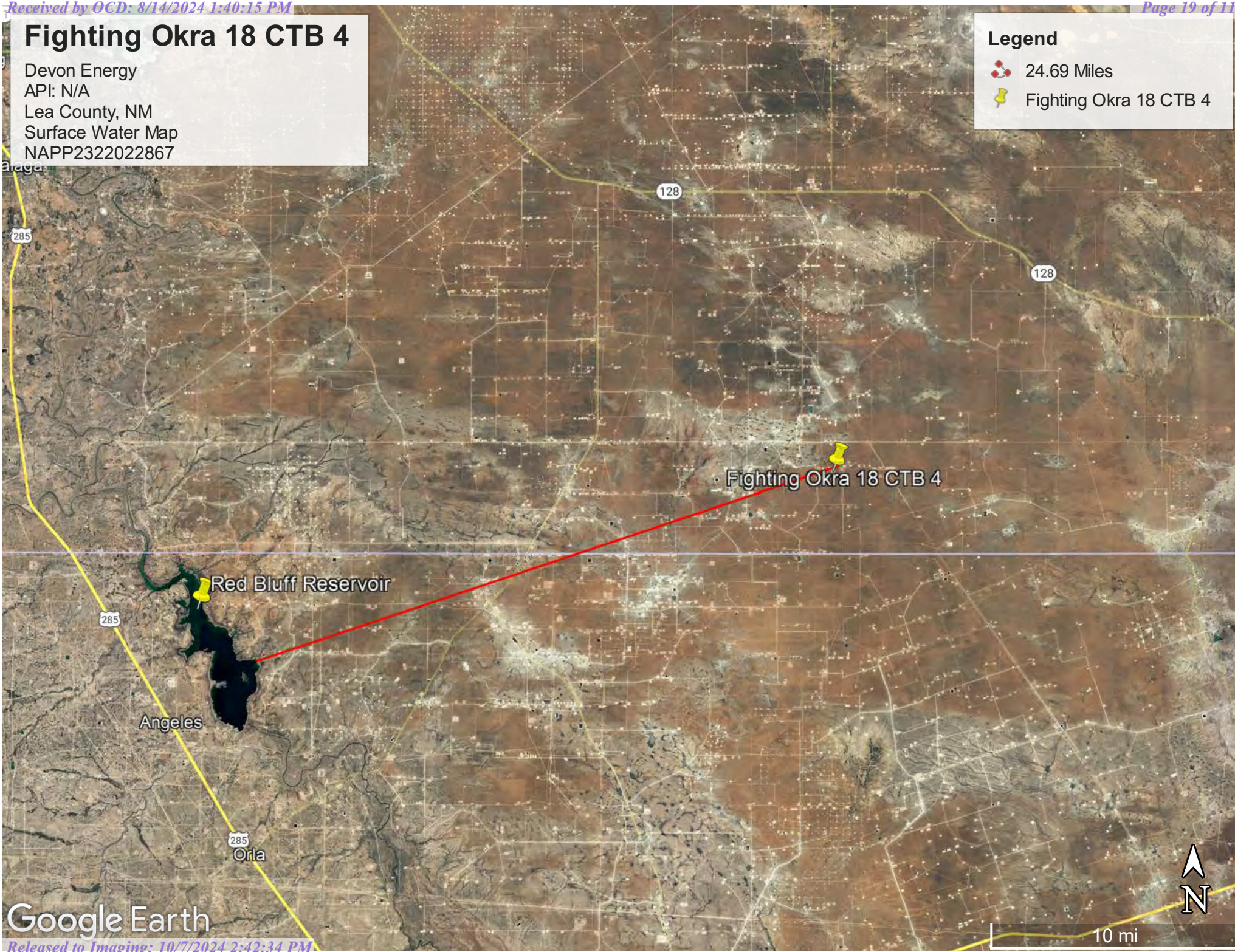
Google Earth

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
Surface Water Map
NAPP2322022867

Legend

-  24.69 Miles
-  Fighting Okra 18 CTB 4



Google Earth



Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
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
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil Map—Lea County, New Mexico




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/5/2024
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: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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
PU	Pyote and Maljamar fine sands	42.6	100.0%
Totals for Area of Interest		42.6	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 \(/geology/state/state.php?state=NM\)](/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)		

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal (https://www.usgs.gov/laws/policies_notices.html) |
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/>) |

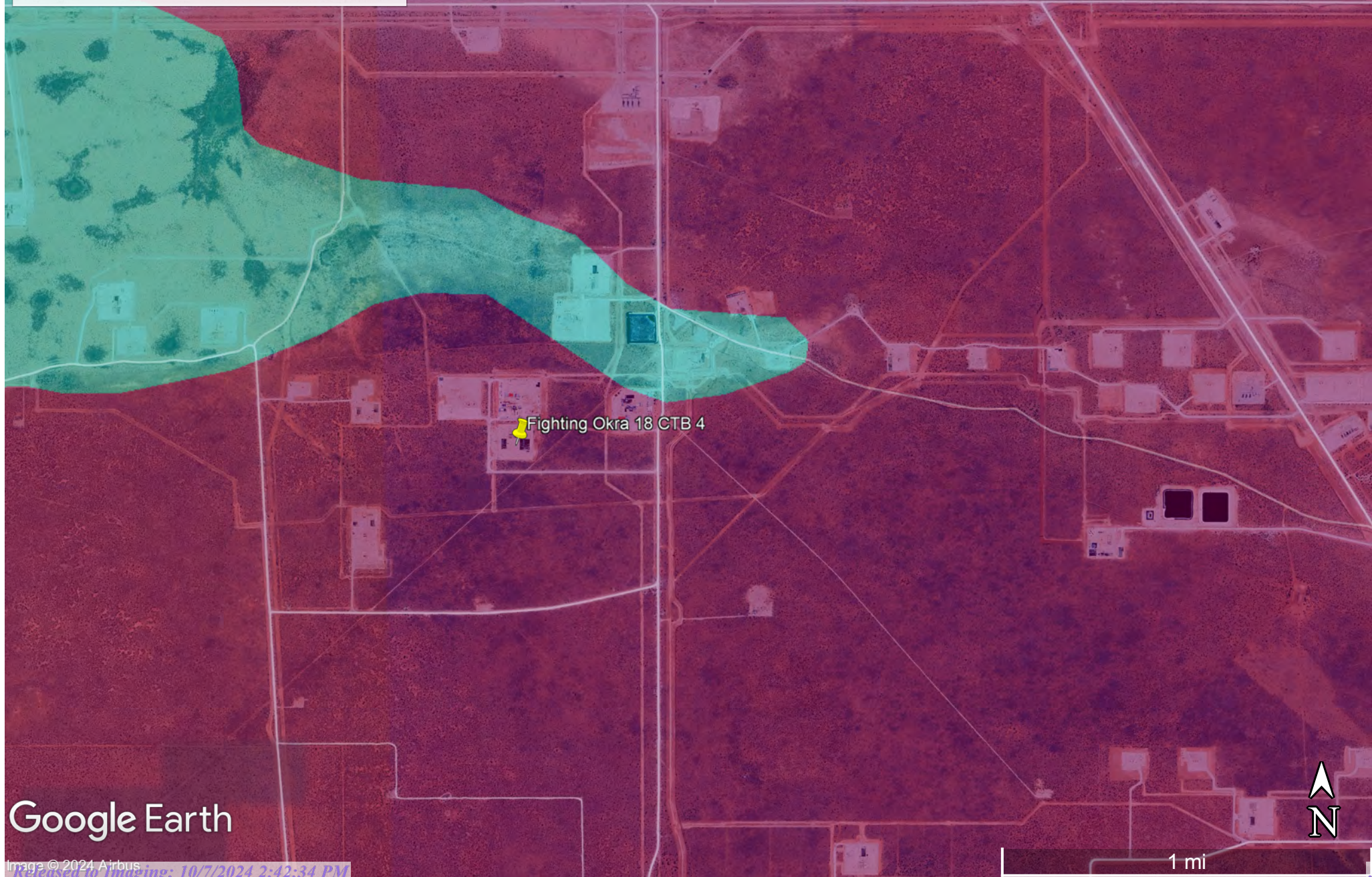
No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

Fighting Okra 18 CTB 4

Devon Energy
API: N/A
Lea County, NM
Geological Map
NAPP2322022867

Legend

-  Eolian and piedmont deposits
-  Fighting Okra 18 CTB 4
-  Ogallala Formation

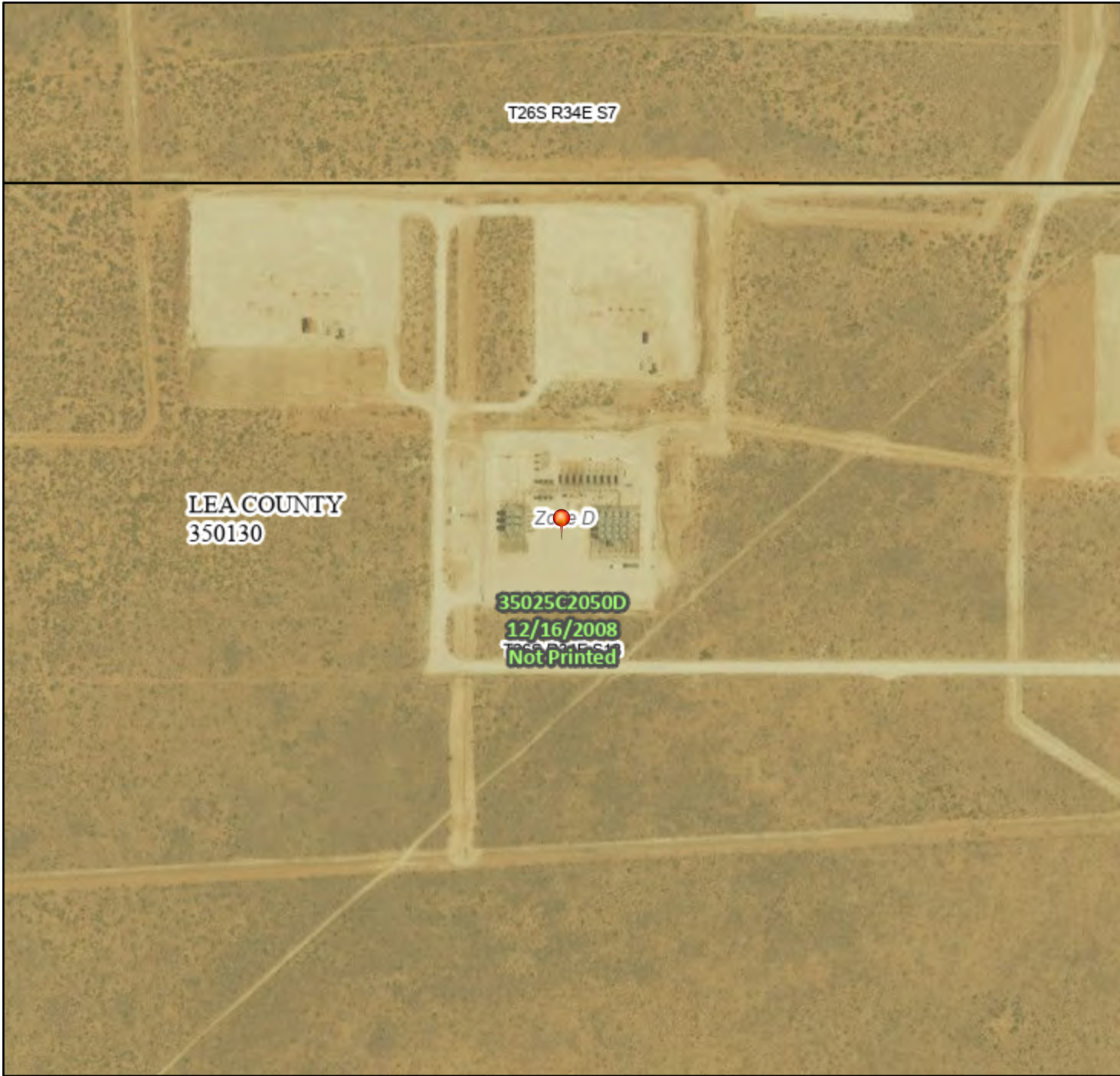


Google Earth

National Flood Hazard Layer FIRMMette



103°30'54"W 32°3'8"N



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

1:6,000

103°30'16"W 32°2'37"N

Released to Imaging: 10/7/2024 2:42:34 PM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

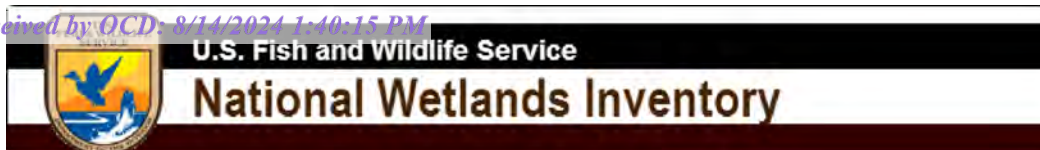


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/23/2023 at 10:50 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



August 24, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Appendix C

○ 48-Hour Notification

lynsey@pimaoil.com

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Wednesday, July 17, 2024 10:32 AM
To: Tom Pima Oil; 'Gio PimaOil'; Delrae Pima Oil; Lynsey Pima Oil
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 364853

Dale Woodall
Environmental Professional
Hobbs, NM
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, July 17, 2024 10:29 AM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 364853

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2322022867.

The sampling event is expected to take place:

When: 07/19/2024 @ 11:00

Where: C-18-26S-34E 330 FNL 1665 FWL (32.047834,-103.509691)

Additional Information: Andrew Franco -806-200-0054

Additional Instructions: From the intersection of NM 128 and County Rd 2, travel south on County Rd 2 for 11.55 miles, turn east on Lease Rd for 2.57 miles, turn south on lease rd for 1.26 of a mile, turn west on lease Rd for 0.45 of a mile, arriving to location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.



Appendix D

○ Photographic Documentation

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Fighting Okra 18 CTB 4

Assessment:



Site information sign.



Photo taken of release while performing assessment.



Photo taken of release while performing assessment.



Photo taken of release while performing assessment.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Fighting Okra 18 CTB 4

Excavation:



Photograph documenting the excavation process.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Fighting Okra 18 CTB 4

Post Excavation:



Photograph taken pursuant to excavation,
taken facing Southeast.



Photograph taken pursuant to excavation,
taken facing Northeast.



Appendix E

○ Laboratory Reports

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Fighting Okra 18 CTB 4

Work Order: E403255

Job Number: 01058-0007

Received: 3/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/2/24

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: 4/2/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra 18 CTB 4
Workorder: E403255
Date Received: 3/27/2024 7:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2024 7:00:00AM, under the Project Name: Fighting Okra 18 CTB 4.

The analytical test results summarized in this report with the Project Name: Fighting Okra 18 CTB 4 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
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
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ljjarboe@envirotech-inc.com

Michelle Golzaes
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	04/02/24 14:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 -1'	E403255-01A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S1 -2'	E403255-02A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S1 -3'	E403255-03A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S1 -4'	E403255-04A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S2 -1'	E403255-05A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S2 -2'	E403255-06A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S2 -3'	E403255-07A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S2 -4'	E403255-08A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S3 -1'	E403255-09A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S3 -2'	E403255-10A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S3 -3'	E403255-11A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S3 -4'	E403255-12A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S4 -1'	E403255-13A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S4 -2'	E403255-14A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S4 -3'	E403255-15A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
S4 -4'	E403255-16A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
SW1	E403255-17A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
SW2	E403255-18A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
SW3	E403255-19A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
SW4	E403255-20A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
SW5	E403255-21A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.
BG1	E403255-22A	Soil	03/25/24	03/27/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Fighting Okra 18 CTB 4 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 4/2/2024 2:33:54PM
---	--	---------------------------------

S1 -1'
E403255-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	255	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	245	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	93.1 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	216	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1 -2'

E403255-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	322	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	321	50.0	1	03/29/24	04/01/24	
<i>Surrogate: n-Nonane</i>						
	93.4 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	199	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1 -3'

E403255-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.9 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	478	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	452	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	96.5 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	227	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1 -4'

E403255-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	393	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	395	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	96.3 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	210	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 -1'

E403255-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	91.9 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 -2'

E403255-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	91.5 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 -3'

E403255-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/01/24	
Surrogate: n-Nonane	93.2 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

S2 -4'

E403255-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/01/24	
<i>Surrogate: n-Nonane</i>						
	91.7 %	50-200		03/29/24	04/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

S3 -1'

E403255-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2413080
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2413080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2413111
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2413097
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 -2'

E403255-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	92.4 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 -3'

E403255-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	92.9 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

S3 -4'

E403255-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	95.5 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 -1'

E403255-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.8 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	91.3 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 -2'

E403255-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	91.3 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 -3'

E403255-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	93.0 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Fighting Okra 18 CTB 4 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 4/2/2024 2:33:54PM
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S4 -4'

E403255-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	93.8 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW1

E403255-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	96.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	94.2 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW2

E403255-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

SW3

E403255-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2413080
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2413080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2413111
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2413097
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported: 4/2/2024 2:33:54PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW4

E403255-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Benzene	ND	0.0250	1	03/27/24	03/29/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/29/24	
Toluene	ND	0.0250	1	03/27/24	03/29/24	
o-Xylene	ND	0.0250	1	03/27/24	03/29/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/29/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/29/24	
Surrogate: 4-Bromochlorobenzene-PID	97.4 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2413080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		03/27/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413111	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/24	04/02/24	
Surrogate: n-Nonane	97.3 %	50-200		03/29/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2413097	
Chloride	ND	20.0	1	03/28/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

SW5

E403255-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413078
Benzene	ND	0.0250	1	03/27/24	03/30/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/30/24	
Toluene	ND	0.0250	1	03/27/24	03/30/24	
o-Xylene	ND	0.0250	1	03/27/24	03/30/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/30/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/27/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	03/27/24	03/30/24	
Surrogate: Toluene-d8		107 %	70-130	03/27/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/27/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	03/27/24	03/30/24	
Surrogate: Toluene-d8		107 %	70-130	03/27/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2413091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		79.3 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2413084
Chloride	ND	20.0	1	03/27/24	03/28/24	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
4/2/2024 2:33:54PM

BG1

E403255-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413078
Benzene	ND	0.0250	1	03/27/24	03/30/24	
Ethylbenzene	ND	0.0250	1	03/27/24	03/30/24	
Toluene	ND	0.0250	1	03/27/24	03/30/24	
o-Xylene	ND	0.0250	1	03/27/24	03/30/24	
p,m-Xylene	ND	0.0500	1	03/27/24	03/30/24	
Total Xylenes	ND	0.0250	1	03/27/24	03/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	03/27/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	03/27/24	03/30/24	
Surrogate: Toluene-d8		109 %	70-130	03/27/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/24	03/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	03/27/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	03/27/24	03/30/24	
Surrogate: Toluene-d8		109 %	70-130	03/27/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2413091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/30/24	
Surrogate: n-Nonane		80.7 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2413084
Chloride	ND	20.0	1	03/27/24	03/28/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2413078-BLK1) Prepared: 03/27/24 Analyzed: 03/29/24

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	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

LCS (2413078-BS1) Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	2.90	0.0250	2.50		116	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.92	0.0250	2.50		117	70-130			
o-Xylene	2.94	0.0250	2.50		117	70-130			
p,m-Xylene	5.76	0.0500	5.00		115	70-130			
Total Xylenes	8.69	0.0250	7.50		116	70-130			
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2413078-MS1) Source: E403246-13 Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	2.89	0.0250	2.50	ND	116	48-131			
Ethylbenzene	2.86	0.0250	2.50	ND	114	45-135			
Toluene	3.01	0.0250	2.50	ND	120	48-130			
o-Xylene	2.92	0.0250	2.50	ND	117	43-135			
p,m-Xylene	5.82	0.0500	5.00	ND	116	43-135			
Total Xylenes	8.74	0.0250	7.50	ND	117	43-135			
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike Dup (2413078-MSD1) Source: E403246-13 Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	2.83	0.0250	2.50	ND	113	48-131	2.22	23	
Ethylbenzene	2.81	0.0250	2.50	ND	112	45-135	1.64	27	
Toluene	2.97	0.0250	2.50	ND	119	48-130	1.32	24	
o-Xylene	2.93	0.0250	2.50	ND	117	43-135	0.376	27	
p,m-Xylene	5.76	0.0500	5.00	ND	115	43-135	1.07	27	
Total Xylenes	8.69	0.0250	7.50	ND	116	43-135	0.585	27	
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413080-BLK1) Prepared: 03/27/24 Analyzed: 03/29/24

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	7.59		8.00		94.8	70-130			

LCS (2413080-BS1) Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	4.99	0.0250	5.00		99.8	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.3	70-130			
Toluene	5.00	0.0250	5.00		99.9	70-130			
o-Xylene	4.92	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike (2413080-MS1) Source: E403255-13 Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.1	63-131			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			

Matrix Spike Dup (2413080-MSD1) Source: E403255-13 Prepared: 03/27/24 Analyzed: 03/29/24

Benzene	4.86	0.0250	5.00	ND	97.1	54-133	0.307	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	0.250	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	0.227	20	
o-Xylene	4.82	0.0250	5.00	ND	96.3	63-131	0.279	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	0.172	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	0.208	20	
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2413078-BLK1) Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

LCS (2413078-BS2) Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

Matrix Spike (2413078-MS2) Source: E403246-13 Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	0.567		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.7	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

Matrix Spike Dup (2413078-MSD2) Source: E403246-13 Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0	ND	117	70-130	0.799	20	
Surrogate: Bromofluorobenzene	0.573		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413080-BLK1) Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

LCS (2413080-BS2) Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			

Matrix Spike (2413080-MS2) Source: E403255-13 Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

Matrix Spike Dup (2413080-MSD2) Source: E403255-13 Prepared: 03/27/24 Analyzed: 03/29/24

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130	2.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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 (2413091-BLK1)					Prepared: 03/28/24 Analyzed: 03/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

LCS (2413091-BS1)					Prepared: 03/28/24 Analyzed: 03/30/24				
Diesel Range Organics (C10-C28)	261	25.0	250		105	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			

Matrix Spike (2413091-MS1)					Source: E403244-26		Prepared: 03/28/24 Analyzed: 03/30/24		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			

Matrix Spike Dup (2413091-MSD1)					Source: E403244-26		Prepared: 03/28/24 Analyzed: 03/30/24		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.3	38-132	2.16	20	
Surrogate: n-Nonane	44.0		50.0		87.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

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 (2413111-BLK1) Prepared: 03/29/24 Analyzed: 04/01/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			

LCS (2413111-BS1) Prepared: 03/29/24 Analyzed: 04/01/24

Diesel Range Organics (C10-C28)	289	25.0	250		116	38-132			
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			

Matrix Spike (2413111-MS1) Source: E403255-05 Prepared: 03/29/24 Analyzed: 04/01/24

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			

Matrix Spike Dup (2413111-MSD1) Source: E403255-05 Prepared: 03/29/24 Analyzed: 04/01/24

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.756	20	
Surrogate: n-Nonane	48.3		50.0		96.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

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 (2413084-BLK1)					Prepared: 03/27/24 Analyzed: 03/27/24				
Chloride	ND	20.0							
LCS (2413084-BS1)					Prepared: 03/27/24 Analyzed: 03/27/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2413084-MS1)					Source: E403246-01		Prepared: 03/27/24 Analyzed: 03/27/24		
Chloride	330	20.0	250	75.9	101	80-120			
Matrix Spike Dup (2413084-MSD1)					Source: E403246-01		Prepared: 03/27/24 Analyzed: 03/28/24		
Chloride	330	20.0	250	75.9	102	80-120	0.0625	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	4/2/2024 2:33:54PM

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 (2413097-BLK1)					Prepared: 03/28/24 Analyzed: 03/28/24				
Chloride	ND	20.0							
LCS (2413097-BS1)					Prepared: 03/28/24 Analyzed: 03/28/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2413097-MS1)					Source: E403255-06		Prepared: 03/28/24 Analyzed: 03/28/24		
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2413097-MSD1)					Source: E403255-06		Prepared: 03/28/24 Analyzed: 03/28/24		
Chloride	251	20.0	250	ND	100	80-120	0.307	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:	Fighting Okra 18 CTB 4	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	04/02/24 14:33

- 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.



Chain of Custody



Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services
 Project: Enbridge 5000 18 CLR 4
 Project Manager: Gio Gomez
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 806-782-1151
 Email: gio@pimaoil.com
 Report due by:

Bill To
 Attention: Devon
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 353-1

Lab Use Only
 Lab WO# E403255 Job Number 0050-007
 TAT
 1D 2D 3D Standard X
 EPA Program
 CWA SDWA
 RCRA

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	BDOC NM	BDOC TX	State	Remarks
9:35	3/25	S		53-3'	11							X		NM	
9:48				53-4'	12									CO	
9:56				54-1'	13									UT	
10:11				54-2'	14									AZ	
10:20				54-3'	15									TX	
10:31				54-4'	16										
10:38				SW1	17										
10:51				SW2	18										
10:16				SW3	19										
11:27				SW4	20										

Additional Instructions:

Billing # 21208106

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) <u>Karine Adams</u>	Date <u>3-26-24</u>	Time <u>1:39</u>	Received by: (Signature) <u>Michelle Gonzalez</u>	Date <u>3-26-24</u>	Time <u>1:39</u>	Lab Use Only Received on ice: <u>Y/N</u>
Relinquished by: (Signature) <u>Michelle Gyl</u>	Date <u>3-26-24</u>	Time <u>1:30</u>	Received by: (Signature) <u>Andrew Mills</u>	Date <u>3-26-24</u>	Time <u>1:30</u>	T1 T2 T3
Relinquished by: (Signature) <u>Andrew Mills</u>	Date <u>3-26-24</u>	Time <u>2:30</u>	Received by: (Signature) <u>Kevin L. Hawn</u>	Date <u>3-27-24</u>	Time <u>0700</u>	AVG Temp °C <u>4</u>

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.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Fighting Okra 18 CTB 4

Work Order: E405042

Job Number: 01058-0007

Received: 5/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/10/24

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: 5/10/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra 18 CTB 4
Workorder: E405042
Date Received: 5/4/2024 7:15:13AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/4/2024 7:15:13AM, under the Project Name: Fighting Okra 18 CTB 4.

The analytical test results summarized in this report with the Project Name: Fighting Okra 18 CTB 4 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

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Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/10/24 10:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-5'	E405042-01A	Soil	05/02/24	05/04/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Fighting Okra 18 CTB 4 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/10/2024 10:04:52AM
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S1-5'
E405042-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Benzene	ND	0.0250	1	05/05/24	05/05/24	
Ethylbenzene	ND	0.0250	1	05/05/24	05/05/24	
Toluene	ND	0.0250	1	05/05/24	05/05/24	
o-Xylene	ND	0.0250	1	05/05/24	05/05/24	
p,m-Xylene	ND	0.0500	1	05/05/24	05/05/24	
Total Xylenes	ND	0.0250	1	05/05/24	05/05/24	
Surrogate: 4-Bromochlorobenzene-PID	94.4 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2419005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/24	05/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		05/05/24	05/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419038	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/24	05/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/24	05/09/24	
Surrogate: n-Nonane	103 %	50-200		05/06/24	05/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2419068	
Chloride	ND	20.0	1	05/07/24	05/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/10/2024 10:04:52AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419005-BLK1) Prepared: 05/05/24 Analyzed: 05/05/24

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	7.35		8.00		91.9	70-130			

LCS (2419005-BS1) Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	4.99	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			

Matrix Spike (2419005-MS1) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

Matrix Spike Dup (2419005-MSD1) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Benzene	5.00	0.0250	5.00	ND	100	54-133	1.50	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	1.43	20	
Toluene	4.94	0.0250	5.00	ND	98.8	61-130	1.61	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	1.45	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	1.41	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131	1.42	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/10/2024 10:04:52AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419005-BLK1) Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2419005-BS2) Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

Matrix Spike (2419005-MS2) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			

Matrix Spike Dup (2419005-MSD2) Source: E405040-02 Prepared: 05/05/24 Analyzed: 05/05/24

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	92.9	70-130	0.379	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/10/2024 10:04:52AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2419038-BLK1)					Prepared: 05/06/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2419038-BS1)					Prepared: 05/06/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	311	25.0	250		124	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS Dup (2419038-BSD1)					Prepared: 05/06/24 Analyzed: 05/09/24				
Diesel Range Organics (C10-C28)	276	25.0	250		111	38-132	11.7	20	
Surrogate: n-Nonane	50.5		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/10/2024 10:04:52AM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2419068-BLK1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	ND	20.0							
LCS (2419068-BS1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	250	20.0	250		99.9	90-110			
LCS Dup (2419068-BSD1)					Prepared: 05/07/24 Analyzed: 05/07/24				
Chloride	252	20.0	250		101	90-110	1.09	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:	Fighting Okra 18 CTB 4	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/10/24 10:04

- 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.



Chain of Custody

Project Information

[illegible]

Envirotech Analytical Laboratory

Printed: 5/6/2024 6:05:16PM

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:	05/04/24 07:15	Work Order ID:	E405042
Phone:	(575) 631-6977	Date Logged In:	05/03/24 16:35	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	05/10/24 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

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Fighting Okra

Work Order: E407168

Job Number: 01058-0007

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/23/24

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: 7/23/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra
Workorder: E407168
Date Received: 7/23/2024 5:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 5:00:00AM, under the Project Name: Fighting Okra.

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

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/23/24 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 - Bottoms	E407168-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
CS2 - Bottom	E407168-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
CSW1	E407168-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
CSW2	E407168-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
CSW3	E407168-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
CSW4	E407168-06A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Fighting Okra
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/23/2024 3:49:27PM

CS1 - Bottoms

E407168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



Sample Data

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

Project Name: Fighting Okra
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/23/2024 3:49:27PM

CS2 - Bottom

E407168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



Sample Data

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

Project Name: Fighting Okra
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/23/2024 3:49:27PM

CSW1

E407168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



Sample Data

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

Project Name: Fighting Okra
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
7/23/2024 3:49:27PM

CSW2

E407168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.3 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>	106 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported: 7/23/2024 3:49:27PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3

E407168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported: 7/23/2024 3:49:27PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW4

E407168-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
Surrogate: 4-Bromochlorobenzene-PID	94.5 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2430036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/23/24	07/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
Surrogate: n-Nonane	108 %	50-200		07/23/24	07/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2430020	
Chloride	ND	20.0	1	07/23/24	07/23/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/23/2024 3:49:27PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2430036-BLK1)

Prepared: 07/22/24 Analyzed: 07/23/24

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	7.35		8.00		91.8	70-130			

LCS (2430036-BS1)

Prepared: 07/22/24 Analyzed: 07/23/24

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.68	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.50	0.0500	10.0		95.0	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

LCS Dup (2430036-BSD1)

Prepared: 07/22/24 Analyzed: 07/23/24

Benzene	5.13	0.0250	5.00		103	70-130	4.86	20	
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130	5.01	20	
Toluene	5.05	0.0250	5.00		101	70-130	4.81	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	5.15	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	5.07	20	
Total Xylenes	14.9	0.0250	15.0		99.5	70-130	5.10	20	
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/23/2024 3:49:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430036-BLK1) Prepared: 07/22/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			

LCS (2430036-BS2) Prepared: 07/22/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS Dup (2430036-BSD2) Prepared: 07/22/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.3	70-130	0.127	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/23/2024 3:49:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2430024-BLK1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2430024-BS1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			

LCS Dup (2430024-BSD1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132	18.4	20	
Surrogate: n-Nonane	68.2		50.0		136	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/23/2024 3:49:27PM

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 (2430020-BLK1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Chloride	ND	20.0							
LCS (2430020-BS1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Chloride	246	20.0	250		98.2	90-110			
LCS Dup (2430020-BSD1)					Prepared: 07/22/24 Analyzed: 07/23/24				
Chloride	246	20.0	250		98.6	90-110	0.369	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:	Fighting Okra	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/23/24 15:49

- 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 1

Client: Pima Environmental Services					Attention: <u>Devon</u>		Lab Use Only		TAT			EPA Program						
Project: <u>Fighting O'Leary</u>					Address:		Lab WO# <u>E407168</u>		Job Number <u>0058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Gio Gomez</u>					City, State, Zip		Analysis and Method									RCRA		
Address: <u>5614 N. Lovington Hwy.</u>					Phone:											State		
City, State, Zip <u>Hobbs, NM, 88240</u>					Email:											NM	CO	UT
Phone: <u>806-782-1151</u>					Pima Project # <u>353-1</u>													
Email: <u>gio@pimaoil.com</u>																		
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks				
11:00	7/19	S		CS1 - Bottoms	1							X						
11:07				CS2 - Bottom	2													
11:12				CSW1	3													
11:20				CSW2	4													
11:28				CSW3	5													
11:36				CSW4	6													
Additional Instructions: <u>Billing# 21208106</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										
<u>Karime Hernandez</u>		7-22-24	1:50	<u>Michelle Gonzales</u>		7-22-24	1:50	Received on ice: <u>Y</u> / N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____										
<u>Michelle Gonzales</u>		7-22-24	1620	<u>A.M.</u>		7-22-24	1730											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>										
<u>A.M.</u>		7-22-24	2345	<u>Michelle R. Heller</u>		7-23-24	0500											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 7/23/2024 10:13:50AM

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:	07/23/24 05:00	Work Order ID:	E407168
Phone:	(575) 631-6977	Date Logged In:	07/22/24 16:21	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	07/23/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
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/Resolution

No. of Containers and Sampler name is missing from COC by client.

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? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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QUESTIONS

Action 373830

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373830
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322022867
Incident Name	NAPP2322022867 FIGHTING OKRA 18 CTB 4 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123136022] FIGHTING OKRA 18 CTB 4

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FIGHTING OKRA 18 CTB 4
Date Release Discovered	08/07/2023
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 Valve Produced Water Released: 2 BBL Recovered: 1 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Lease operator found a pin hole on the 6H 3-phase water leg ball valve. Estimated spill is 1.9 bbls. 1 bbl recovered. Fluids did make it offsite. The LO shut in the well and isolated the leaking valve.

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QUESTIONS, Page 2

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373830
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 08/14/2024
--	--

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QUESTIONS, Page 3

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373830
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	227
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	930
GRO+DRO	(EPA SW-846 Method 8015M)	487
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/18/2024
On what date will (or did) the final sampling or liner inspection occur	07/19/2024
On what date will (or was) the remediation complete(d)	07/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	382
What is the estimated volume (in cubic yards) that will be reclaimed	4
What is the estimated surface area (in square feet) that will be remediated	382
What is the estimated volume (in cubic yards) that will be remediated	4

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

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

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QUESTIONS, Page 4

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373830
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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.)	Yes
Which OCD approved facility will be used for off-site disposal	NORTH RANCH SURFACE WASTE MANAGEMENT FACILITY [fBAJ2129451934]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: 08/14/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 373830
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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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QUESTIONS, Page 6

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	373830
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	364853
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/19/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	382

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	382
What was the total volume (cubic yards) remediated	4
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	382
What was the total volume (in cubic yards) reclaimed	4
Summarize any additional remediation activities not included by answers (above)	see report

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 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: 08/14/2024
--	--

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QUESTIONS, Page 7

Action 373830

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	373830
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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CONDITIONS

Action 373830

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 373830
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Although the release was <5 bbls (minor release reportable quantity), the report suffices for closure. Release resolved.	10/7/2024