



REMEDIATION CLOSURE REPORT

Incident ID NAPP2212926148

Fighting Okra 18 CTB 4

Facility ID: fAPP2123136022

Prepared By:
Pima Environmental Services, LLC

Prepared For:
Devon Energy Production, LP

January 16, 2025
Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240

Pima Environmental Services

5614 N Lovington Hwy
Hobbs, NM 88240
575-964-7740NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220**Re: Site Assessment, Remediation, and Closure Report**
Fighting Okra 18 CTB 4
Facility ID: fAPP2123136022
GPS: Latitude 32.0424622 Longitude -103.5095972
UL - D, Section 18, T26S, R34E
Lea County, NM
NMOCD Ref. No. NAPP2212926148

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 NAPP2212926148, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Fighting Okra is located approximately seventeen (17) miles Southwest of Bennet, NM. This spill site is in Unit D, Section 18, Township 26S, Range 34E, Latitude 32.0424622 Longitude -103.5095972, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands association, 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-POD1), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.09 of a mile away from the Fighting Okra. Drilled on June 9, 2022. Conversely, as per the United States Geological Survey well water data (USGS320245103335901 26S.33E.10.334343), the nearest groundwater depth in this region is recorded at 124 feet BGS, situated approximately 3.35 of a mile 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-POD1)	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

Release Information

NAPP2212926148: On May 7, 2022, threads on plug at a 3-phase separator leaked, the line was shut and bypassed to stop the leak. The release was not in containment and hit the pad in the vicinity of the separator. The release did not leave location. The released fluids were calculated to be approximately 9 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 8 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On September 6, 2022, Pima mobilized personnel to the site to collect soil samples from the spill area. A hand auger was used to collect the samples from the affected area. The laboratory results of these sampling events are provided in the following data table. A Site Map is available in Figure 4.

9-6-22 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								
9/6/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	3545
	3'	ND	ND	ND	ND	ND	0	1773
	4'	ND	ND	ND	ND	ND	0	1270
	5'	ND	ND	ND	ND	ND	0	75.9
	6'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	3545
	3'	ND	ND	ND	ND	ND	0	2482
	4'	ND	ND	ND	ND	ND	0	1220
	5'	ND	ND	ND	ND	ND	0	242
	6'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	3900
	3'	ND	ND	ND	ND	ND	0	3254
	4'	ND	ND	ND	ND	ND	0	3750
	5'	ND	ND	ND	ND	ND	0	1850
	6'	ND	ND	ND	ND	ND	0	ND
SW 1	0-6"	ND	ND	ND	ND	ND	0	ND
SW 2	0-6"	ND	ND	ND	ND	ND	0	ND
SW 3	0-6"	ND	ND	ND	ND	ND	0	ND
SW 4	0-6"	ND	ND	ND	ND	ND	0	ND
BG 1	0-6"	ND	ND	ND	ND	ND	0	ND
BG 2	0-6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

Countermeasures Due to Rejection application ID:188778:

The prior report faced rejection due to concerns raised by the NMOCD. The summary of rejection outlined the following reasons:

Closure denied. Per 19.15.29.12(D)1(a) NMAC, "the responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas." The confirmation samples submitted in this report were received by the laboratory on 9/8/2022, whereas the attached sampling notice was from 1/19/2023. A new closure report will need to be submitted by 2/18/2024.

Pima Environmental Services

5614 N Lovington Hwy

Hobbs, NM 88240

575-964-7740

On January 8th, 2025, after sending a 48-hour notification (application ID: 417410, Appendix C), Pima returned to the site to collect confirmation samples from the designated assessment area, including perimeter samples. The composite samples were collected from the surface down to a depth of 4 feet using a hand auger. The results of this sampling event are summarized in the table below, and the Confirmation Sample Map is included in Figure 5.

1-8-25 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-NAPP2212926148								
Date: 1-8-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS1	Surface-4'	ND	ND	ND	ND	ND	0	70.4
CS2	Surface-4'	ND	ND	ND	ND	ND	0	71.2
CSW1	Surface-4' Comp	ND	ND	ND	ND	ND	0	90.9
CSW2	Surface-4' Comp	ND	ND	ND	ND	ND	0	91.1
CSW3	Surface-4' Comp	ND	ND	ND	ND	ND	0	87.1
CSW4	Surface-4' Comp	ND	ND	ND	ND	ND	0	84.3

ND- Analyte Not Detected

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC.

Closure Request

After careful review, Pima requests that this incident, NAPP2212926148, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

For questions or additional information, please feel free to contact:

Devon Energy – Jim Raley at 575-689-7597 or Jim.raley@dyn.com.

Pima Environmental – Gio Gomez – 806-782-1151 or Gio@pimaoil.com.

Respectfully,



Gio Gomez

Project Manager

Pima Environmental Services, LLC

5614 N Lovington Hwy
Hobbs, NM 88240
575-964-7740

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

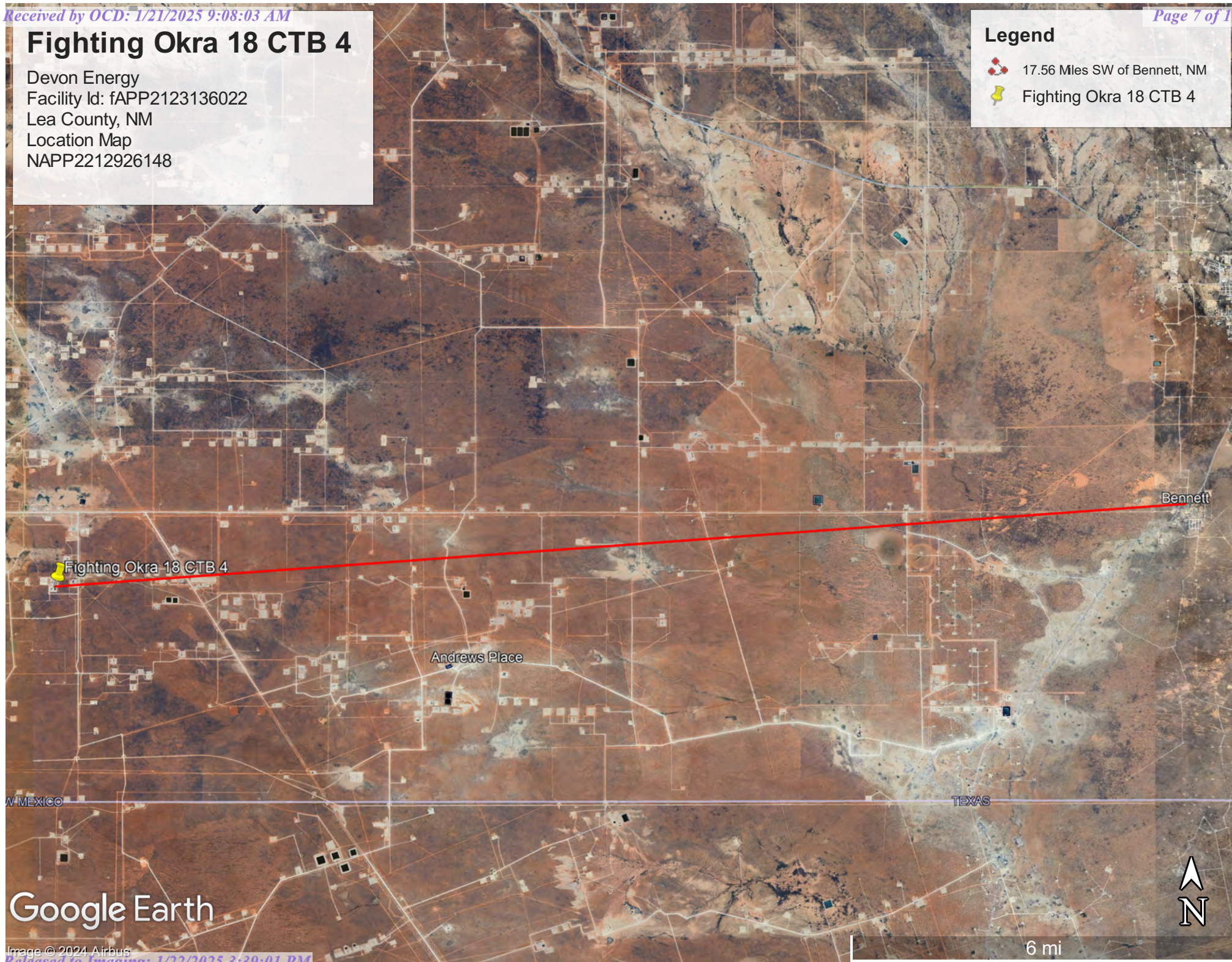
Figure 5- Confirmation Sample Map

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
Location Map
NAPP2212926148

Legend

-  17.56 Miles SW of Bennett, NM
-  Fighting Okra 18 CTB 4




Google Earth

Image © 2024 Airbus

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
Topographic Map
NAPP2212926148

Legend

 Fighting Okra 18 CTB 4







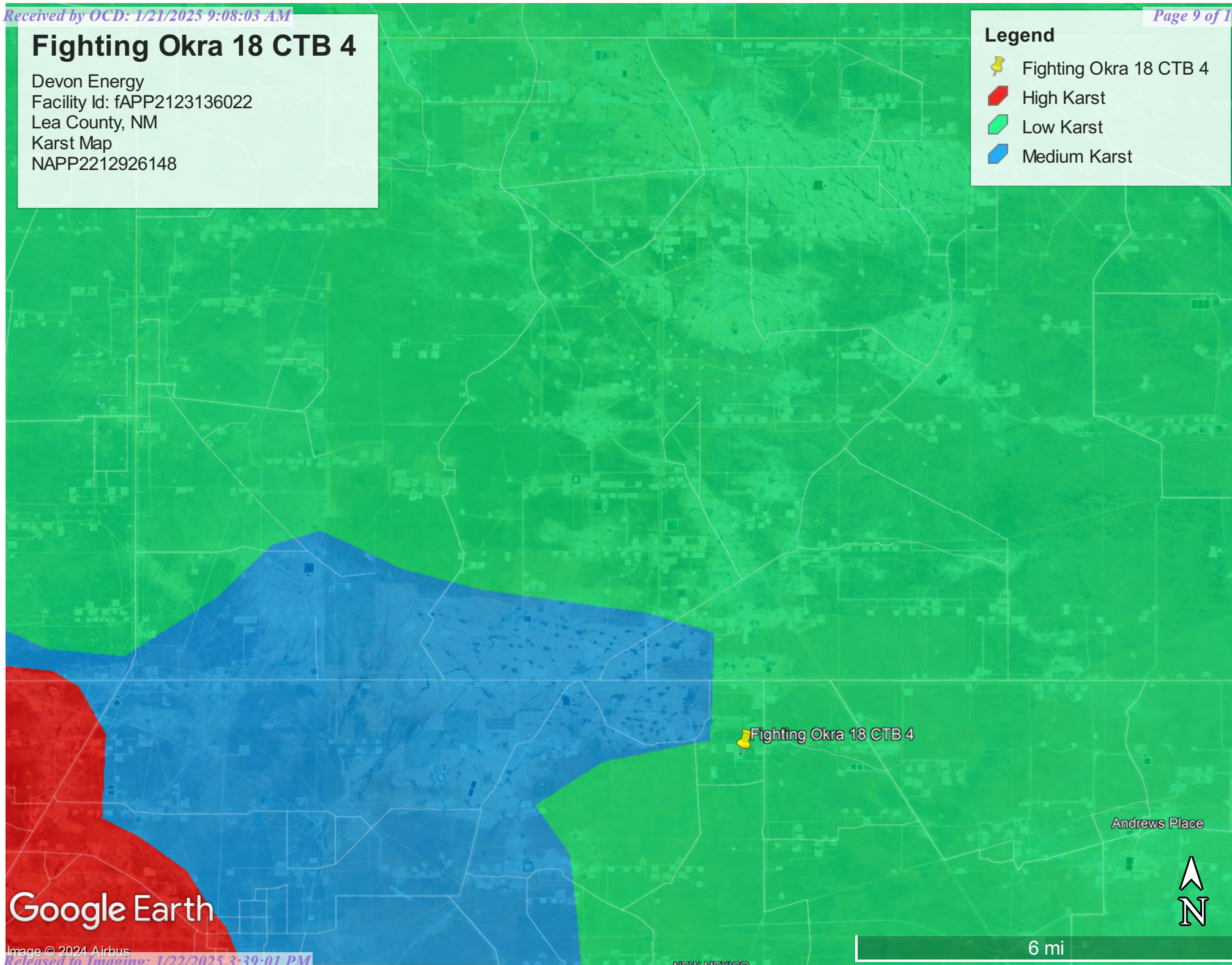
Google Earth

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
Karst Map
NAPP2212926148

Legend

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



Google Earth





Image © 2024 Airbus

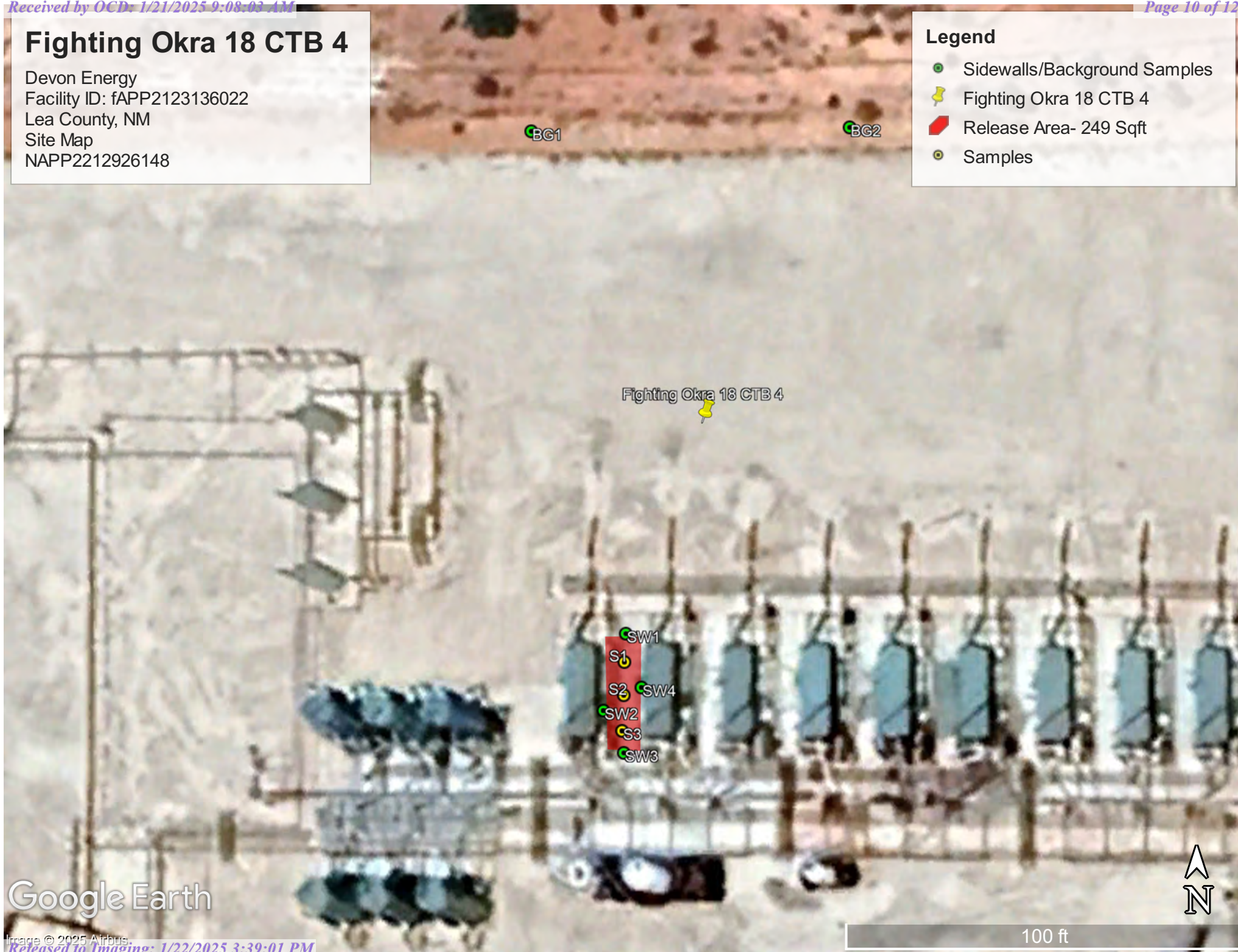
6 mi

Fighting Okra 18 CTB 4

Devon Energy
Facility ID: fAPP2123136022
Lea County, NM
Site Map
NAPP2212926148

Legend

-  Sidewalls/Background Samples
-  Fighting Okra 18 CTB 4
-  Release Area- 249 Sqft
-  Samples



Google Earth

Fighting Okra 18 CTB 4

Devon Energy
Facility ID: fAPP2123136022
Lea County, NM
Confirmation Sample Map
NAPP2212926148

Legend

- Confirmation Samples
- Fighting Okra 18 CTB 4
- Release Area- 249 Sqft
- Confirmation Sidewall Samples





Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4626			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 2	SECONDS 51.06	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
LONGITUDE 103 30 37.08 W								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec.18 T26S R34S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/9/2022		DRILLING ENDED 6/9/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	
	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					
	STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		DATE STATIC MEASURED 6/13/2022					
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE OFF JUN 16 2022 4:00 PM

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <u>C-4626-POD 1</u>	POD NO. <u>1</u>	TRN NO. <u>726171</u>
LOCATION <u>26.34.18.421</u>	WELL TAG ID NO. <u> </u>	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4626-POD 1	POD NO. 1	TRN NO. 726171	
LOCATION 26.34.18.431		WELL TAG ID NO. —	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726171
File Nbr: C 04626
Well File Nbr: C 04626 POD1

Jun. 16, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/09/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 8, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4626 Pod1at Fighting Okra 18 CTB 4

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4626 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

OSE DTI JUN 16 2022 PM3:03

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
OSE Pod Map
NAPP2212926148

Legend

- 0.09 Miles
- C 04626 POD1
- Fighting Okra 18 CTB 4



Google Earth

Image © 2024 Airbus

Released to Imaging: 1/23/2025 3:39:01 PM



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

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320245103335901

Minimum number of levels = 1

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

USGS 320245103335901 26S.33E.10.334343

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°02'45", Longitude 103°33'59" NAD27

Land-surface elevation 3,291 feet above NAVD88

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.

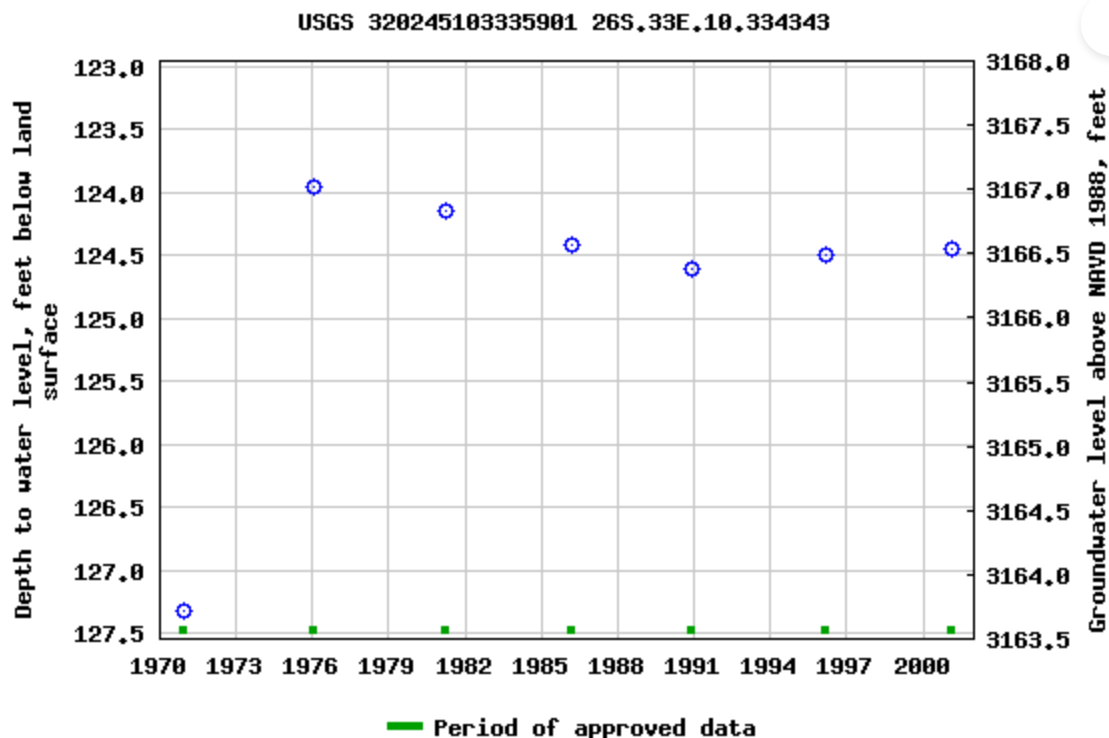
Output formats

[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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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-12-16 14:09:58 EST

0.69 0.47 nadww02

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
USGS Map
NAPP2212926148

Legend

- 3.35 Miles
- Fighting Okra 18 CTB 4
- USGS 320245103335901

USGS 320245103335901

Fighting Okra 18 CTB 4

Google Earth

Image © 2024 Airbus

Released to Imaging: 1/22/2025 3:39:01 PM




1 mi



Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
Surface Water Map
NAPP2212926148

Legend

-  18.56 Miles
-  Fighting Okra 18 CTB 4
-  Salt Playa

Google Earth

Image © 2024 Airbus

Fighting Okra 18 CTB 4

Andrews Place

9 mi





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

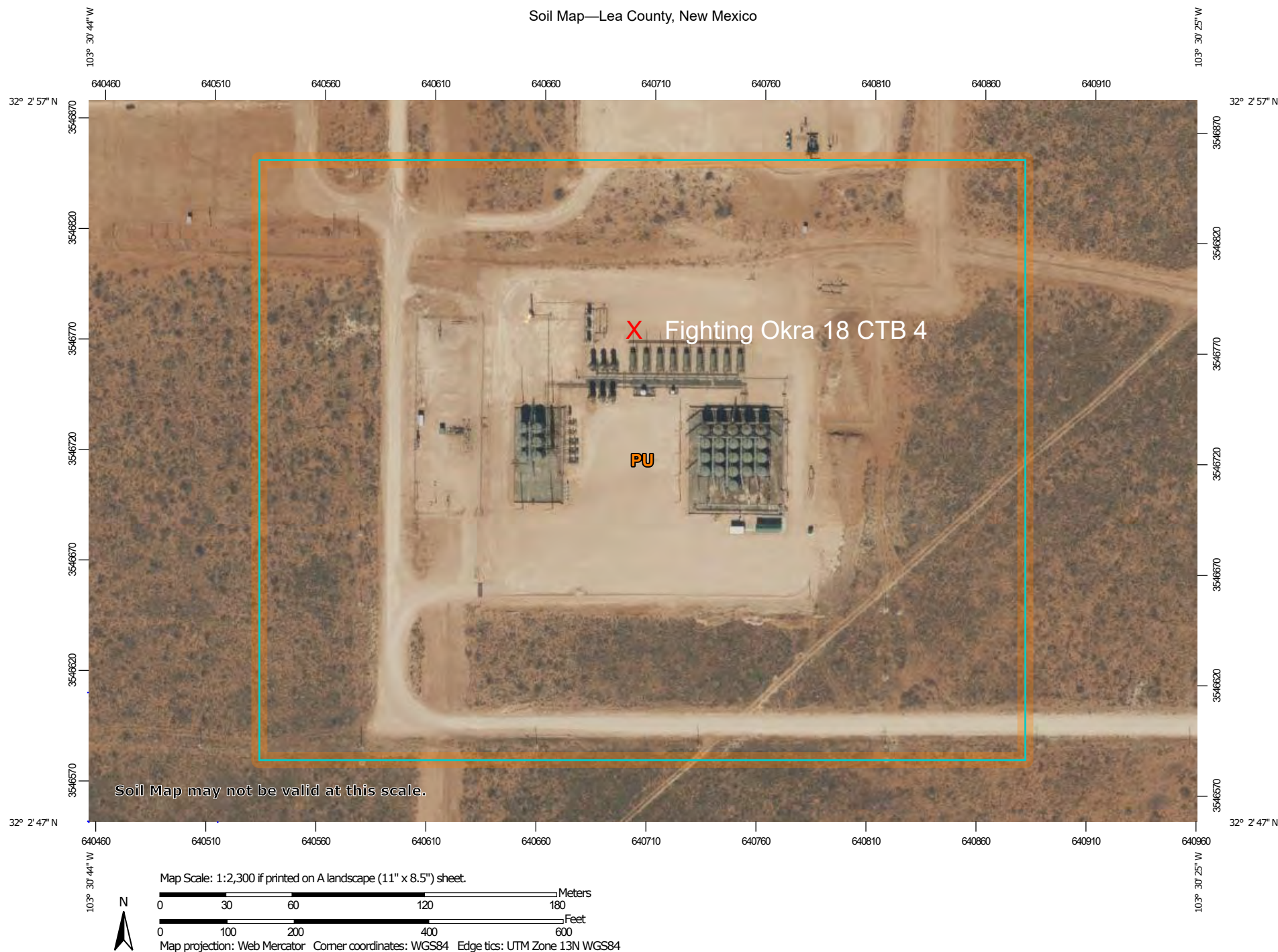
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

12/16/2024
Page 1 of 3

Soil Map—Lea County, New Mexico


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 21, Sep 3, 2024

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	23.4	100.0%
Totals for Area of Interest		23.4	100.0%

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

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

Eolian and piedmont deposits

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

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

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

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

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

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

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




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

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

Fighting Okra 18 CTB 4

Devon Energy
Facility Id: fAPP2123136022
Lea County, NM
Geological Map
NAPP2212926148

Legend

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

Jason Tank

Fighting Okra 18 CTB 4

Google Earth

Image © 2024 Airbus

Released to Imaging: 1/22/2025 3:39:01 PM



3000 ft

National Flood Hazard Layer FIRMette



103°30'53"W 32°3'10"N



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

1:6,000

103°30'15"W 32°2'40"N

Released to Imaging: 1/22/2025 3:39:01 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
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

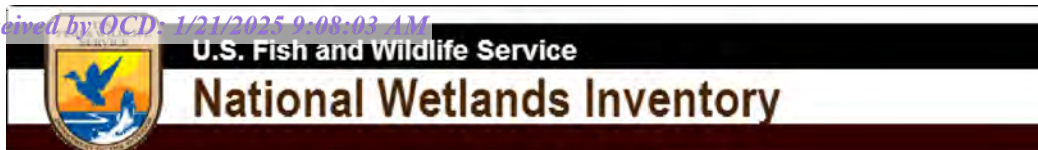


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 **12/16/2024 at 7:00 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



December 16, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

Pima Environmental Services, LLC



Appendix C

○ 48-Hour Notification

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 417410

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417410
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2212926148
Incident Name	NAPP2212926148 FIGHTING OKRA 18 CTB 4 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123136022] FIGHTING OKRA 18 CTB 4

Location of Release Source	
Site Name	FIGHTING OKRA 18 CTB 4
Date Release Discovered	05/07/2022
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	250
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/08/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco -806-200-0054
Please provide any information necessary for navigation to sampling site	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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 417410

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417410
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	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.	1/6/2025

Pima Environmental Services, LLC



Appendix D

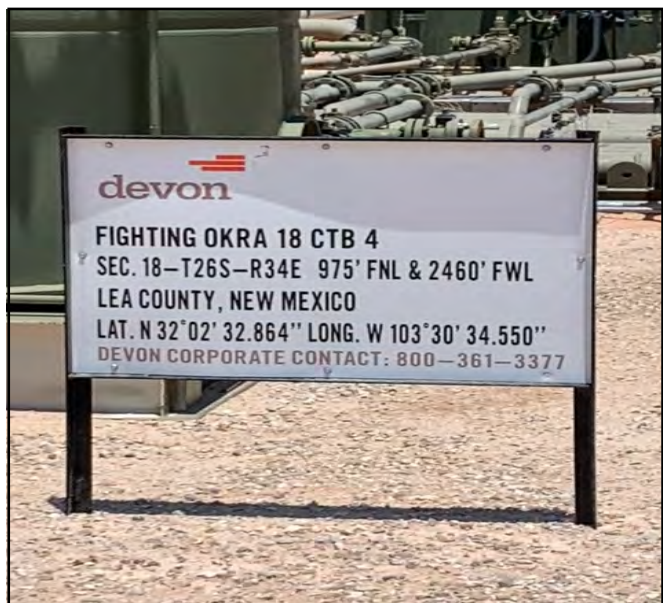
○ Photographic Documentation



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Fighting Okra 18 CTB 4

Assessment :



Site Information Sign.



Photograph taken during assessment facing North.



Photograph taken during assessment facing Southwest.



Photograph taken during assessment facing South.



Photograph taken during assessment facing Southeast.



Photograph taken during assessment facing Northeast.



Photograph taken during assessment facing Southwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Fighting Okra 18 CTB 4

Aerial Photos :



Aerial photos of location.



Aerial photos of location.



Aerial photos of location.



Aerial photos of location.

Pima Environmental Services, LLC



Appendix E

○ Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Fighting Okra 18 CTB 4 -
nAPP2222724957

Work Order: E209028

Job Number: 01058-0007

Received: 9/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/14/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Workorder: E209028
Date Received: 9/8/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/8/2022 10:30:00AM, under the Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957.

The analytical test results summarized in this report with the Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957 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
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	Reported: 09/14/22 13:19
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 1'	E209028-01A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.1 2'	E209028-02A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.1 3'	E209028-03A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 1'	E209028-04A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 2'	E209028-05A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 3'	E209028-06A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW1	E209028-07A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW2	E209028-08A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW3	E209028-09A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
BG1	E209028-10A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
BG2	E209028-11A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/14/2022 1:19:30PM
---	---	---

S.1 1' E209028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2237059	
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	0.0494	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	0.0796	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	0.225	0.0500	1	09/09/22	09/10/22	
Total Xylenes	0.304	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>105 %</i>	<i>70-130</i>		<i>09/09/22</i>	<i>09/10/22</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2237059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>85.5 %</i>	<i>70-130</i>		<i>09/09/22</i>	<i>09/10/22</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2237044	
Diesel Range Organics (C10-C28)	11800	250	10	09/08/22	09/12/22	
Oil Range Organics (C28-C36)	7490	500	10	09/08/22	09/12/22	
<i>Surrogate: n-Nonane</i>	<i>93.8 %</i>	<i>50-200</i>		<i>09/08/22</i>	<i>09/12/22</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238019	
Chloride	5970	200	10	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

S.1 2'

E209028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/09/22	
Toluene	ND	0.0250	1	09/09/22	09/09/22	
o-Xylene	ND	0.0250	1	09/09/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/09/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		09/09/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/09/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.0 %	70-130		09/09/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	2760	40.0	2	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

S.1 3'

E209028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	0.0294	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	127	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

S.2 1'

E209028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	0.0810	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.9 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	3510	125	5	09/08/22	09/12/22	
Oil Range Organics (C28-C36)	3140	250	5	09/08/22	09/12/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		09/08/22	09/12/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	2500	40.0	2	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

S.2 2'

E209028-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.6 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	89.2	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

S.2 3'

E209028-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	196	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

SW1

E209028-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

SW2

E209028-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

SW3

E209028-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.0 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

BG1

E209028-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.2 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB 4 - nAPP2222724957
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/14/2022 1:19:30PM

BG2

E209028-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Benzene	ND	0.0250	1	09/09/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/09/22	09/10/22	
Toluene	ND	0.0250	1	09/09/22	09/10/22	
o-Xylene	ND	0.0250	1	09/09/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/09/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/09/22	09/10/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/22	09/10/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		09/09/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238019
Chloride	ND	20.0	1	09/12/22	09/13/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/14/2022 1:19:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2237059-BLK1)

Prepared: 09/09/22 Analyzed: 09/09/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

LCS (2237059-BS1)

Prepared: 09/09/22 Analyzed: 09/09/22

Benzene	5.46	0.0250	5.00		109	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.19	0.0500	10.0		91.9	70-130			
Total Xylenes	13.8	0.0250	15.0		92.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike (2237059-MS1)

Source: E209028-02

Prepared: 09/09/22 Analyzed: 09/09/22

Benzene	4.92	0.0250	5.00	ND	98.3	54-133			
Ethylbenzene	4.07	0.0250	5.00	ND	81.3	61-133			
Toluene	4.32	0.0250	5.00	ND	86.3	61-130			
o-Xylene	4.13	0.0250	5.00	ND	82.7	63-131			
p,m-Xylene	8.24	0.0500	10.0	ND	82.4	63-131			
Total Xylenes	12.4	0.0250	15.0	ND	82.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2237059-MSD1)

Source: E209028-02

Prepared: 09/09/22 Analyzed: 09/09/22

Benzene	5.11	0.0250	5.00	ND	102	54-133	3.89	20	
Ethylbenzene	4.21	0.0250	5.00	ND	84.3	61-133	3.54	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	3.68	20	
o-Xylene	4.28	0.0250	5.00	ND	85.6	63-131	3.49	20	
p,m-Xylene	8.54	0.0500	10.0	ND	85.4	63-131	3.61	20	
Total Xylenes	12.8	0.0250	15.0	ND	85.5	63-131	3.57	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/14/2022 1:19:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2237059-BLK1)

Prepared: 09/09/22 Analyzed: 09/09/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.56		8.00		82.0	70-130			

LCS (2237059-BS2)

Prepared: 09/09/22 Analyzed: 09/09/22

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.2	70-130			

Matrix Spike (2237059-MS2)

Source: E209028-02

Prepared: 09/09/22 Analyzed: 09/10/22

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			

Matrix Spike Dup (2237059-MSD2)

Source: E209028-02

Prepared: 09/09/22 Analyzed: 09/10/22

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.5	70-130	5.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/14/2022 1:19:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2237044-BLK1)					Prepared: 09/08/22 Analyzed: 09/09/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.0		50.0		102	50-200			

LCS (2237044-BS1)					Prepared: 09/08/22 Analyzed: 09/09/22				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			

Matrix Spike (2237044-MS1)					Source: E209028-09		Prepared: 09/08/22 Analyzed: 09/09/22		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			

Matrix Spike Dup (2237044-MSD1)					Source: E209028-09		Prepared: 09/08/22 Analyzed: 09/09/22		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	1.28	20	
Surrogate: n-Nonane	52.8		50.0		106	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/14/2022 1:19:30PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2238019-BLK1)					Prepared: 09/12/22 Analyzed: 09/13/22				
Chloride	ND	20.0							
LCS (2238019-BS1)					Prepared: 09/12/22 Analyzed: 09/13/22				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2238019-MS1)					Source: E209028-01		Prepared: 09/12/22 Analyzed: 09/13/22		
Chloride	5900	200	250	5970	NR	80-120			M4
Matrix Spike Dup (2238019-MSD1)					Source: E209028-01		Prepared: 09/12/22 Analyzed: 09/13/22		
Chloride	5390	200	250	5970	NR	80-120	9.04	20	M4

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 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/14/22 13:19

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services Project: <u>Lighting Okra 18.1TB 4/64</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Deron Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>186</u>					Lab Use Only Lab WO# <u>E209028</u> Job Number <u>01058-0007</u>					TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/>	
										Analysis and Method DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTEX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> BGDOC NM <input checked="" type="checkbox"/> BGDOC TX <input type="checkbox"/>					RCRA <input type="checkbox"/>		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
10:00	9/6/22	S		S.1 1'	1							X								
10:05				S.1 2'	2															
10:10				S.1 3'	3															
10:15				S.2 1'	4															
10:20				S.2 2'	5															
10:25				S.2 3'	6															
10:30				SW 1	7															
10:35				SW 2	8															
10:40				SW 3	9															
10:45				BG 1	10															
Additional Instructions: <u>Billing # 21057228</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/1/22</u> Time <u>2:01</u>						Received by: (Signature) <u>[Signature]</u> Date <u>9-7-22</u> Time <u>3:00</u>						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>[Signature]</u> Date <u>9-1-22</u> Time <u>10:30</u>						Received by: (Signature) <u>[Signature]</u> Date <u>9/8/22</u> Time <u>10:30</u>						Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						T1 _____ T2 _____ T3 _____ 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.																				



Envirotech Analytical Laboratory

Printed: 9/8/2022 12:04:14PM

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:	09/08/22 10:30	Work Order ID:	E209028
Phone:	(575) 631-6977	Date Logged In:	09/08/22 11:27	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	09/14/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

No. of containers not provided on coc.

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.

Project Information

Chain of Custody

Page 1 of 2**Fighting Okra 18 CTB 4-n APP2222724957 9/9/22 CC**

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Fighting Okra 18 CTB 4-n					Attention: Deron Energy		Lab WO# E209028		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:									X		
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 186											
Report due by:																

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	Remarks
10:00	9/6/22	S		S.1 1'	1							X		
10:05				S.1 2'	2									
10:10				S.1 3'	3									
10:15				S.2 1'	4									
10:20				S.2 2'	5									
10:25				S.2 3'	6									
10:30				SW 1	7									
10:35				SW 2	8									
10:40				SW 3	9									
10:45				BG 1	10									

Additional Instructions: **Billing # 21057228** **Client requests Project name Change.**

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.

Relinquished by: (Signature) **[Signature]** Date **9/1/22** Time **2:01** Received by: (Signature) **[Signature]** Date **9-7-22** Time **3:00**

Relinquished by: (Signature) **[Signature]** Date **9-1-22** Time **11:45** Received by: (Signature) **[Signature]** Date **9/8/22** Time **10:30**

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

Lab Use Only
Received on ice: **Y** **N**

AVG Temp °C **4**

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**

Page 25 of 25

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Fighting Okra 18 CTB4 -
nAPP221026056

Work Order: E209027

Job Number: 01058-0007

Received: 9/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/13/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/13/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Workorder: E209027
Date Received: 9/8/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/8/2022 10:30:00AM, under the Project Name: Fighting Okra 18 CTB4 - nAPP221026056.

The analytical test results summarized in this report with the Project Name: Fighting Okra 18 CTB4 - nAPP221026056 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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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB4 - nAPP221026056	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/13/22 12:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 4'	E209027-01A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.1 5'	E209027-02A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.1 6'	E209027-03A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 4'	E209027-04A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 5'	E209027-05A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.2 6'	E209027-06A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.3 4'	E209027-07A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.3 5'	E209027-08A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
S.3 6'	E209027-09A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW1	E209027-10A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW2	E209027-11A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW3	E209027-12A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SW4	E209027-13A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
BG1	E209027-14A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
BG2	E209027-15A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.1 4'
E209027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	100 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	1270	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.1 5'

E209027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.9 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.9 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	102 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	75.9	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.1 6'

E209027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	105 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.2 4'

E209027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	09/08/22	09/09/22	
Surrogate: Toluene-d8		106 %	70-130	09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	09/08/22	09/09/22	
Surrogate: Toluene-d8		106 %	70-130	09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane		103 %	50-200	09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	1220	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.2 5'

E209027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	98.0 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	242	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.2 6'

E209027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	102 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	102 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	103 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.3 4'

E209027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	98.0 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	3750	40.0	2	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.3 5'

E209027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	100 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	1850	40.0	2	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

S.3 6'

E209027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	91.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	91.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	102 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

SW1

E209027-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	98.0 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

SW2

E209027-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.3 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	90.3 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	105 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

SW3

E209027-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	106 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/09/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/09/22	
Surrogate: n-Nonane	100 %	50-200		09/08/22	09/09/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/12/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

SW4

E209027-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	91.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4	91.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8	105 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/10/22	
Surrogate: n-Nonane	105 %	50-200		09/08/22	09/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

BG1

E209027-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/10/22	
Toluene	ND	0.0250	1	09/08/22	09/10/22	
o-Xylene	ND	0.0250	1	09/08/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/10/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/08/22	09/10/22	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/08/22	09/10/22	
Surrogate: Toluene-d8	107 %	70-130		09/08/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/10/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/08/22	09/10/22	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/08/22	09/10/22	
Surrogate: Toluene-d8	107 %	70-130		09/08/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/10/22	
Surrogate: n-Nonane	101 %	50-200		09/08/22	09/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/13/22	



Sample Data

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

Project Name: Fighting Okra 18 CTB4 - nAPP221026056
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/13/2022 12:39:28PM

BG2

E209027-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Benzene	ND	0.0250	1	09/08/22	09/10/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/10/22	
Toluene	ND	0.0250	1	09/08/22	09/10/22	
o-Xylene	ND	0.0250	1	09/08/22	09/10/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/10/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/10/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/22	09/10/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/08/22	09/10/22	
Surrogate: Toluene-d8		108 %	70-130	09/08/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2237048
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/10/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/08/22	09/10/22	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/08/22	09/10/22	
Surrogate: Toluene-d8		108 %	70-130	09/08/22	09/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2237045
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/10/22	
Surrogate: n-Nonane		105 %	50-200	09/08/22	09/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238018
Chloride	ND	20.0	1	09/12/22	09/13/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB4 - nAPP221026056	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/13/2022 12:39:28PM

Volatile Organic Compounds by EPA 8260B

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 (2237048-BLK1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2237048-BS1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	2.16	0.0250	2.50		86.3	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.4	70-130			
Toluene	2.26	0.0250	2.50		90.3	70-130			
o-Xylene	2.16	0.0250	2.50		86.6	70-130			
p,m-Xylene	4.31	0.0500	5.00		86.2	70-130			
Total Xylenes	6.47	0.0250	7.50		86.3	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS Dup (2237048-BSD1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	2.14	0.0250	2.50		85.7	70-130	0.767	23	
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130	2.52	27	
Toluene	2.20	0.0250	2.50		87.9	70-130	2.72	24	
o-Xylene	2.11	0.0250	2.50		84.5	70-130	2.43	27	
p,m-Xylene	4.22	0.0500	5.00		84.3	70-130	2.17	27	
Total Xylenes	6.33	0.0250	7.50		84.4	70-130	2.26	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB4 - nAPP221026056	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/13/2022 12:39:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2237048-BLK1)

Prepared: 09/08/22 Analyzed: 09/09/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2237048-BS2)

Prepared: 09/08/22 Analyzed: 09/09/22

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

LCS Dup (2237048-BSD2)

Prepared: 09/08/22 Analyzed: 09/09/22

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130	1.55	20	
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB4 - nAPP221026056	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/13/2022 12:39:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2237045-BLK1)					Prepared: 09/08/22 Analyzed: 09/09/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			

LCS (2237045-BS1)					Prepared: 09/08/22 Analyzed: 09/09/22				
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	38-132			
Surrogate: n-Nonane	47.3		50.0		94.5	50-200			

Matrix Spike (2237045-MS1)					Source: E209027-07		Prepared: 09/08/22 Analyzed: 09/09/22		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			

Matrix Spike Dup (2237045-MSD1)					Source: E209027-07		Prepared: 09/08/22 Analyzed: 09/09/22		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	1.26	20	
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB4 - nAPP221026056	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/13/2022 12:39:28PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2238018-BLK1)					Prepared: 09/12/22 Analyzed: 09/12/22				
Chloride	ND	20.0							
LCS (2238018-BS1)					Prepared: 09/12/22 Analyzed: 09/12/22				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2238018-MS1)					Source: E209024-01		Prepared: 09/12/22 Analyzed: 09/12/22		
Chloride	2760	20.0	250	2570	76.6	80-120			M2
Matrix Spike Dup (2238018-MSD1)					Source: E209024-01		Prepared: 09/12/22 Analyzed: 09/12/22		
Chloride	2690	20.0	250	2570	50.2	80-120	2.42	20	M2

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 CTB4 - nAPP221026056	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/13/22 12:39

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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







Envirotech Analytical Laboratory

Printed: 9/8/2022 12:00:40PM

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:	09/08/22 10:30	Work Order ID:	E209027
Phone:	(575) 631-6977	Date Logged In:	09/08/22 11:24	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	09/14/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 2**Fighting Okra 18 CTB4-NAPP22102L0D5L6****9/9/22 CC**

Client: **Pima Environmental Services**
 Project: **Fighting Okra 18 CTB4-NAPP22102L0D5L6**
 Project Manager: **Tom Bynum**
 Address: **5614 N. Lovington Hwy.**
 City, State, Zip: **Hobbs, NM, 88240**
 Phone: **580-748-1613**
 Email: **tom@pimaoil.com**
 Report due by:

Bill To
 Attention: **Devon Energy**
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # **186**

Lab Use Only
 Lab WO# **E209027** Job Number **01058-007**
 Analysis and Method
 DRO/DRO by 8015
 GRO/DRO by 8015
 BTEX by 8021
 VOC by 8260
 Metals 6010
 Chloride 300.0
 NM
 TX
 TAT
 1D 2D 3D Standard
 X
 EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX
 X

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	TX	Remarks
8:00	9/6/22	S	1	S.1 4'	1							X		
8:05				S.1 5'	2									
8:10				S.1 6'	3									
8:15				S.2 4'	4									
8:20				S.2 5'	5									
8:25				S.2 6'	6									
8:30				S.3 4'	7									
8:35				S.3 5'	8									
8:40				S.3 6'	9									
8:45				SW 1	10									

Additional Instructions:

Billing # 2105722B**Client requested Project name change.**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Abdullah Benavides</i>	Date 9/7/22	Time 2:15	Received by: (Signature) <i>Abdullah Benavides</i>	Date 9-7-22	Time 2:15	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <i>Abdullah Benavides</i>	Date 9-7-22	Time 4:5	Received by: (Signature) <i>Abdullah Benavides</i>	Date 9/8/22	Time 10:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

AVG Temp °C **4**

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.



Chain of Custody

Page 2 of 2

CC

[illegible]

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: E501054

Job Number: 01058-0007

Received: 1/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/10/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/10/25

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Fighting Okra 18 CTB 4
Workorder: E501054
Date Received: 1/10/2025 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/10/2025 8:00:00AM, 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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	01/10/25 15:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E501054-01A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
CS2	E501054-02A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
CSW1	E501054-03A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
CSW2	E501054-04A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
CSW3	E501054-05A	Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
CSW4	E501054-06A	Soil	01/08/25	01/10/25	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:
1/10/2025 3:08:26PM

CS1

E501054-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2502098	
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.5 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502098	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.4 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502099	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>	92.0 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2502100	
Chloride	70.4	20.0	1	01/10/25	01/10/25	



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:
1/10/2025 3:08:26PM

CS2

E501054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502100
Chloride	71.2	20.0	1	01/10/25	01/10/25	



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:
1/10/2025 3:08:26PM

CSW1

E501054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2502098	
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.3 %</i>	<i>70-130</i>		<i>01/10/25</i>	<i>01/10/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502098	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>95.0 %</i>	<i>70-130</i>		<i>01/10/25</i>	<i>01/10/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502099	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>	<i>97.4 %</i>	<i>50-200</i>		<i>01/10/25</i>	<i>01/10/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2502100	
Chloride	90.9	20.0	1	01/10/25	01/10/25	



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:
1/10/2025 3:08:26PM

CSW2

E501054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	94.7 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502100
Chloride	91.1	20.0	1	01/10/25	01/10/25	



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:
1/10/2025 3:08:26PM

CSW3

E501054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	94.5 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502100
Chloride	87.1	20.0	1	01/10/25	01/10/25	



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:
1/10/2025 3:08:26PM

CSW4

E501054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		01/10/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502100
Chloride	84.3	20.0	1	01/10/25	01/10/25	



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	1/10/2025 3:08:26PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2502098-BLK1)

Prepared: 01/10/25 Analyzed: 01/10/25

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	6.70		8.00		83.8	70-130			

LCS (2502098-BS1)

Prepared: 01/10/25 Analyzed: 01/10/25

Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.86		8.00		85.7	70-130			

LCS Dup (2502098-BSD1)

Prepared: 01/10/25 Analyzed: 01/10/25

Benzene	4.58	0.0250	5.00		91.5	70-130	5.50	20	
Ethylbenzene	4.49	0.0250	5.00		89.9	70-130	5.70	20	
Toluene	4.56	0.0250	5.00		91.2	70-130	5.85	20	
o-Xylene	4.48	0.0250	5.00		89.6	70-130	5.48	20	
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130	5.49	20	
Total Xylenes	13.6	0.0250	15.0		90.9	70-130	5.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	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	1/10/2025 3:08:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2502098-BLK1) Prepared: 01/10/25 Analyzed: 01/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

LCS (2502098-BS2) Prepared: 01/10/25 Analyzed: 01/10/25

Gasoline Range Organics (C6-C10)	36.9	20.0	50.0		73.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS Dup (2502098-BSD2) Prepared: 01/10/25 Analyzed: 01/10/25

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.1	70-130	18.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	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	1/10/2025 3:08:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2502099-BLK1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2502099-BS1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	244	25.0	250		97.6	38-132			
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			

LCS Dup (2502099-BSD1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	1.32	20	
Surrogate: n-Nonane	50.4		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	1/10/2025 3:08:26PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2502100-BLK1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Chloride	ND	20.0							
LCS (2502100-BS1)					Prepared: 01/10/25 Analyzed: 01/10/25				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2502100-MS1)					Source: E501055-02		Prepared: 01/10/25 Analyzed: 01/10/25		
Chloride	386	40.0	250	151	93.9	80-120			
Matrix Spike Dup (2502100-MSD1)					Source: E501055-02		Prepared: 01/10/25 Analyzed: 01/10/25		
Chloride	408	40.0	250	151	103	80-120	5.44	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	01/10/25 15:08

- 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.

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Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Fighting OKra 18 CB4</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>R-1-353-4</u>					Lab Use Only Lab WO# <u>E501054</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										NM CO UT AZ TX <input checked="" type="checkbox"/>				RCRA						
										BGDOC NM BGDOC TX				State						
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
8:11	1/8	S		CS1	1															
8:18				CS2	2															
8:20				CSW1	3															
8:25				CSW2	4															
8:30				CSW3	5															
8:38				CSW4	6															
Additional Instructions: <u>Billing# 21057228</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) <u>Roxime Adams</u> Date <u>1/9/25</u> Time <u>1245</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>1-9-25</u> Time <u>1245</u>																				
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>1-9-25</u> Time <u>1646</u> Received by: (Signature) <u>[Signature]</u> Date <u>1-9-25</u> Time <u>1646</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1-9-25</u> Time <u>2245</u> Received by: (Signature) <u>Carth Ma</u> Date <u>1/10/25</u> Time <u>8:00</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.																				

Envirotech Analytical Laboratory

Printed: 1/10/2025 8:47:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/10/25 08:00	Work Order ID:	E501054
Phone:	(575) 631-6977	Date Logged In:	01/09/25 14:12	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	01/10/25 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

Sample by and No of containers not provided on COC.

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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 422527

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2212926148
Incident Name	NAPP2212926148 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	05/07/2022
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 Separator Produced Water Released: 9 BBL Recovered: 8 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Threads on plug at a 3 phase separator leaked. Shut and bypassed line to stop the leak. vacuum truck recovered 8 bbls. Spill was not in containment. spill did hit the pad in the vicinity of the separator. spill did not leave location.

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS, Page 2

Action 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
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: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 01/21/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/20/2025
On what date will (or did) the final sampling or liner inspection occur	01/08/2025
On what date will (or was) the remediation complete(d)	01/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
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QUESTIONS, Page 4

Action 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	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.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No additional soil to be removed.
<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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 01/21/2025
<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 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	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 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	417410
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/08/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	250

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	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/21/2025
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QUESTIONS, Page 7

Action 422527

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	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 422527

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 422527
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/22/2025