Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	51'-100' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
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Application ID	

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/6/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 02/06/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
Facility ID	
Application ID	

Closure

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

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

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/6/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 02/06/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

February 2, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Fighting Okra 18 CTB 4
API No. N/A
GPS: Latitude 32.048152 Longitude -103.509695
UL -- C, 18, T23S, R34E
Lea County, NM
NMOCD Ref. No. NAPP2222724957

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a Produced Water release that occurred at the Fighting Okra 18 CTB 4 (Fighting Okra). The initial C-141 was submitted on August 26, 2022 (Appendix C). This incident was assigned Incident ID NAPP2222724957 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Fighting Okra is located approximately nineteen (19) miles southwest of Jal, NM. This spill site is in Unit C, Section 18, Township 23S, Range 34E, Latitude 32.048152 Longitude -103.509695, Lea County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 200 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 123 feet BGS. The closest waterway is a Red Bluff Reservoir located approximately 24.64 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50’	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100’	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100’	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2222724957: On August 12, 2022, 3 phase separator developed leak. The released fluids were calculated to be approximately 6.1 barrels (bbls) of produced water. Vacuum truck was able to recover approximately 4 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On September 6, 2022, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

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								
Date 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	Cl mg/kg
S-1	1'	0.304	ND	ND	11800	7490	19290.304	5970
	2'	ND	ND	ND	ND	ND	0	2760
	3'	ND	ND	ND	ND	ND	0	127
S-2	1'	ND	ND	ND	3510	3140	6650	2500
	2'	ND	ND	ND	ND	ND	0	89.2
	3'	ND	ND	ND	ND	ND	0	196
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
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

On January 5, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 19, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5

1-19-23 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								
Date Sampled: 1/19/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	2'	ND	ND	ND	ND	ND	0	ND
CS-2	2'	ND	ND	ND	51.7	ND	51.7	ND
CS-3	2'	ND	ND	ND	ND	ND	0	ND
CSW-1	2'	ND	ND	ND	ND	ND	0	ND
CSW-2	2'	ND	ND	ND	53.9	ND	53.9	ND
CSW-3	2'	ND	ND	ND	ND	ND	0	ND
CSW-4	2'	ND	ND	ND	ND	ND	0	ND
CS-4	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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

Closure Request

After careful review, Pima requests that this incident, NAPP2222724957 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

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

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

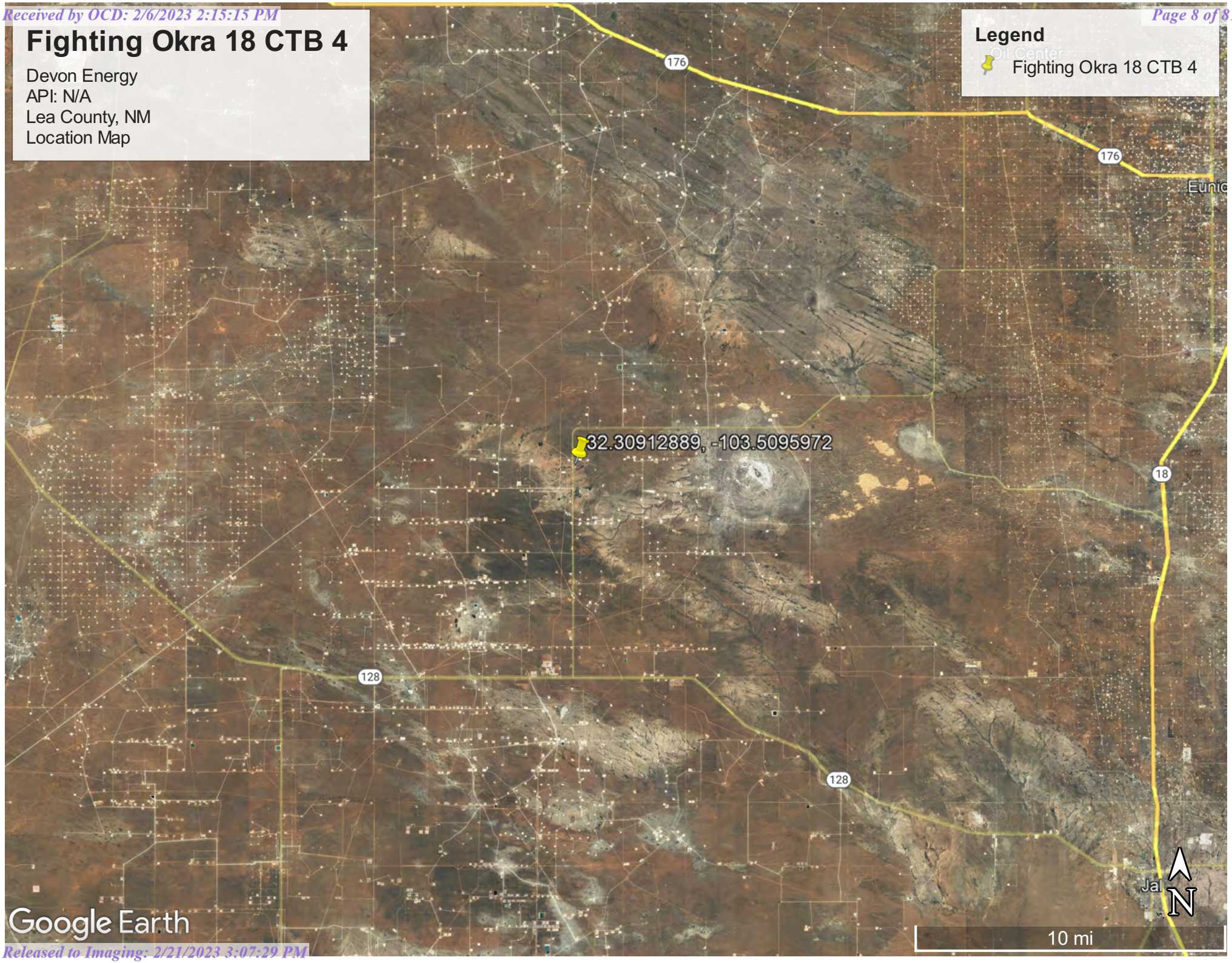
3-Karst Map

4-Site Map

5-Confirmation Site Map

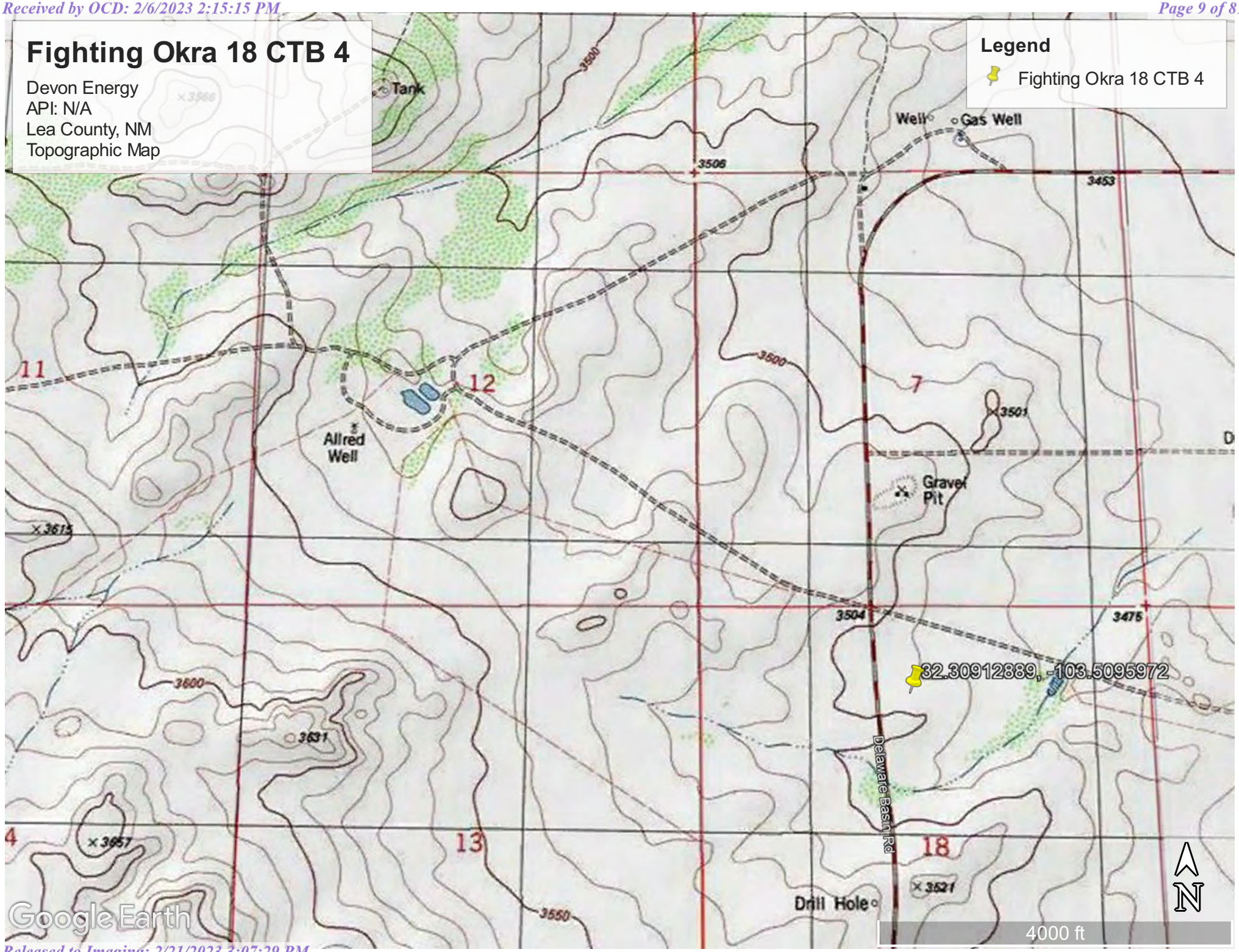
Fighting Okra 18 CTB 4

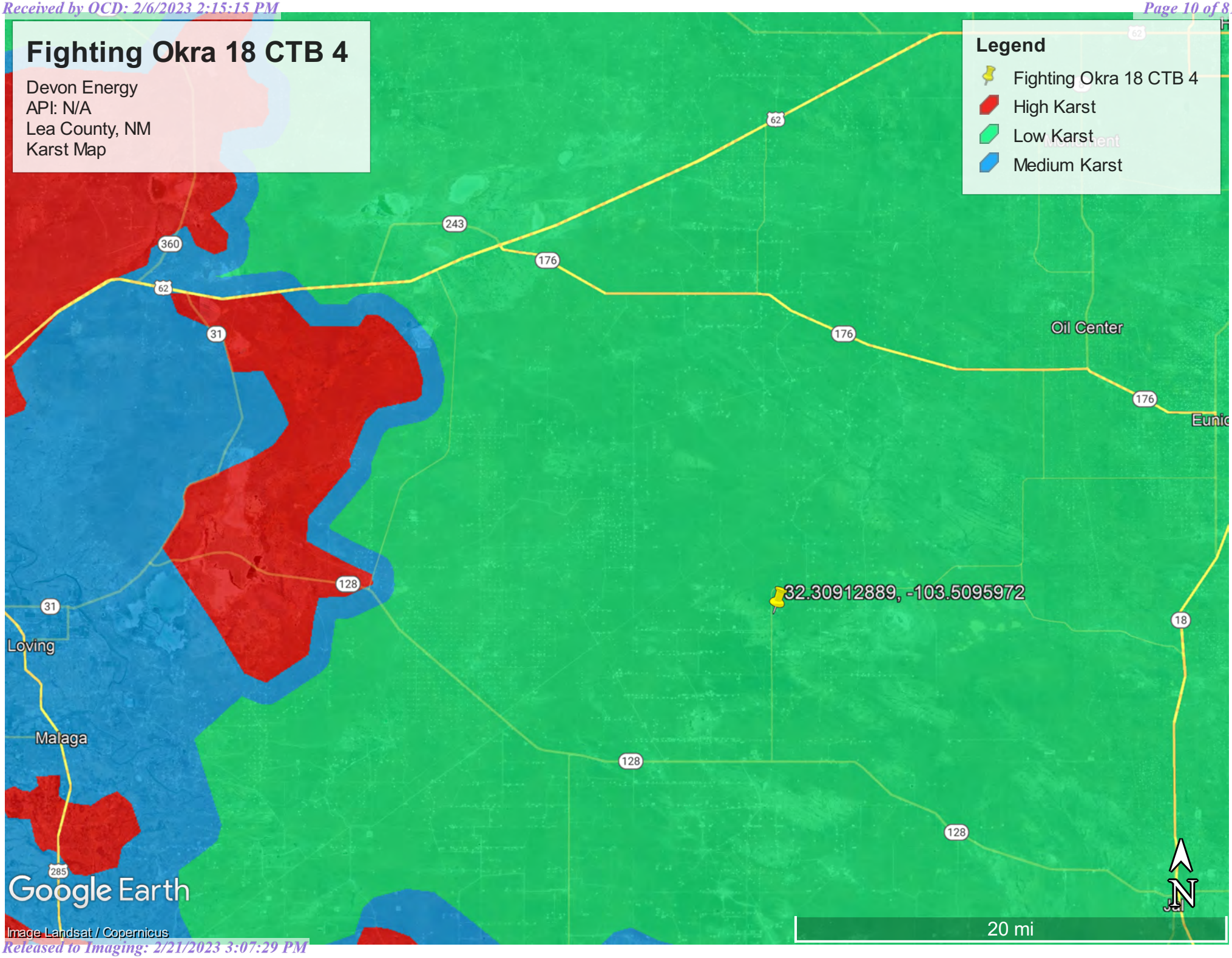
Devon Energy
API: N/A
Lea County, NM
Location Map



Fighting Okra 18 CTB 4

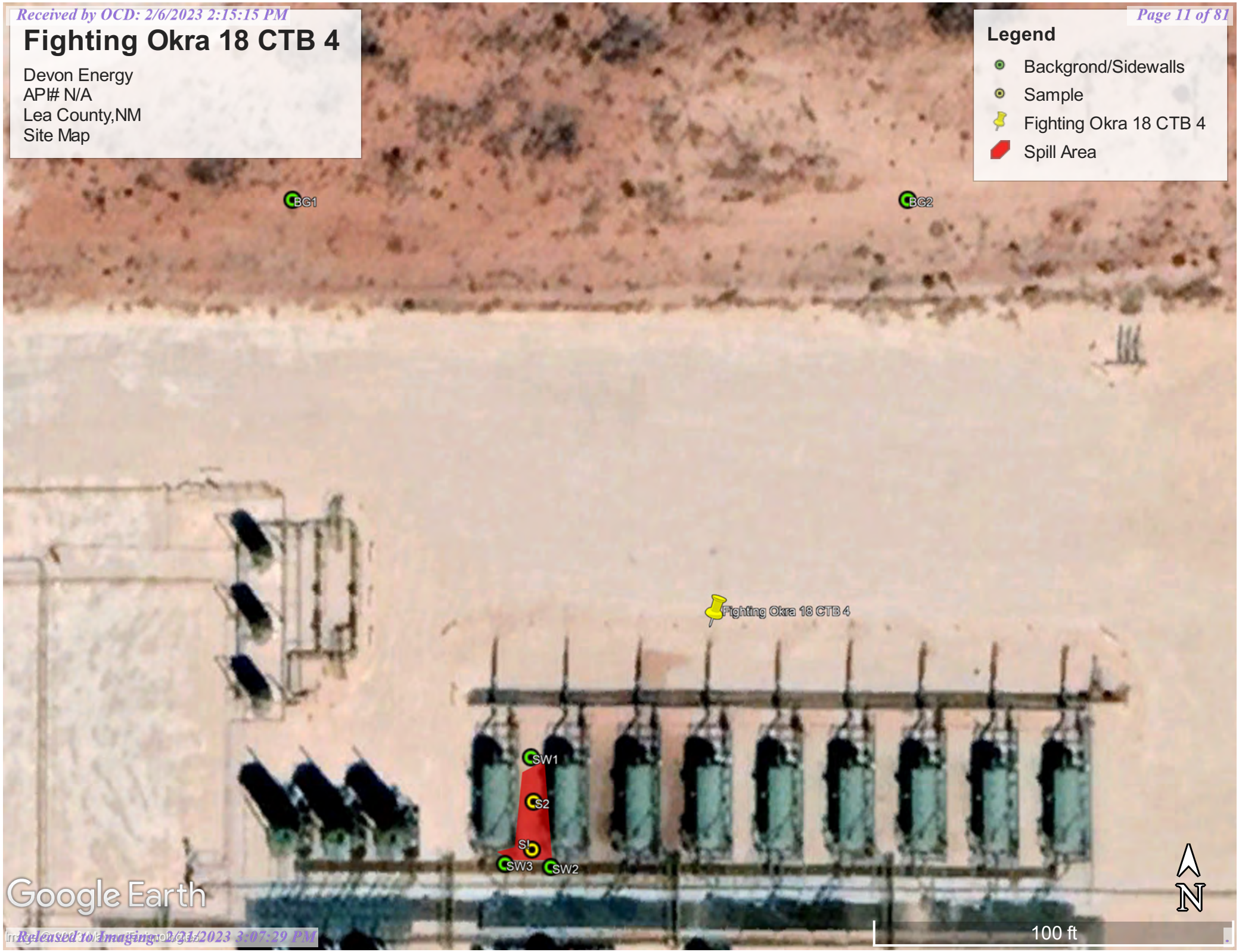
Devon Energy
API: N/A
Lea County, NM
Topographic Map




Fighting Okra 18 CTB 4
Devon Energy
API: N/A
Lea County, NM
Karst Map
Legend
Fighting Okra 18 CTB 4
High Karst
Low Karst
Medium Karst
62
243
360
176
62
31
176
Oil Center
176
Eunic
128
31
32.30912889, -103.5095972
18
Loving
Malaga
128
128
285
Google Earth
Image Landsat / Copernicus
20 mi
N

Fighting Okra 18 CTB 4

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



Fighting Okra 18 CTB 4

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

Legend

- Confirmation Samples
- Excavation Area
- Confirmation Sidewalls
- Fighting Okra 18 CTB 4

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	91			
C 02295		CUB	LE	2	2	4	12	26S	33E	639865	3547624	1214	250	200	50
C 02293		CUB	LE	2	2	1	14	26S	33E	637501	3546975	3209	200	135	65
C 02294		CUB	LE	4	4	3	11	26S	33E	637465	3547003	3246	200	145	55
C 02292 POD1		CUB	LE	4	1	2	06	26S	34E	640992	3549987	3256	200	140	60
C 03442 POD1		C	LE	4	1	2	06	26S	34E	641056	3550028	3303	251		
C 03441 POD1		C	LE	4	1	2	06	26S	34E	640971	3550039	3307	250		
C 02291		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	3398	220	160	60
C 04628 POD1		CUB	LE	1	1	2	01	26S	33E	639121	3550219	3818			
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	4359	55		
C 02289		CUB	LE	4	4	4	03	26S	33E	636612	3548675*	4522	200	160	40
C 02288		CUB	LE	4	4	4	03	26S	33E	636646	3548758	4528	220	180	40
C 02285 POD1		CUB	LE	1	4	4	03	26S	33E	636613	3548855	4601	220	220	0
C 02290		CUB	LE	4	4	4	03	26S	33E	636538	3548770	4630	200	160	40
C 02286		CUB	LE	3	4	4	03	26S	33E	636470	3548714	4668	220	175	45
C 02287		C	LE	3	4	4	03	26S	33E	636427	3548708	4703	220		

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

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 640701.51 **Northing (Y):** 3546743.53 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

11/22/22 10:31 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

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

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE ATKINS

Drill Start Date: 06/09/2022 **Drill Finish Date:** 06/09/2022 **Plug Date:**

Log File Date: 06/16/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

Casing Perforations:	Top	Bottom
	0	55

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321734103290001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

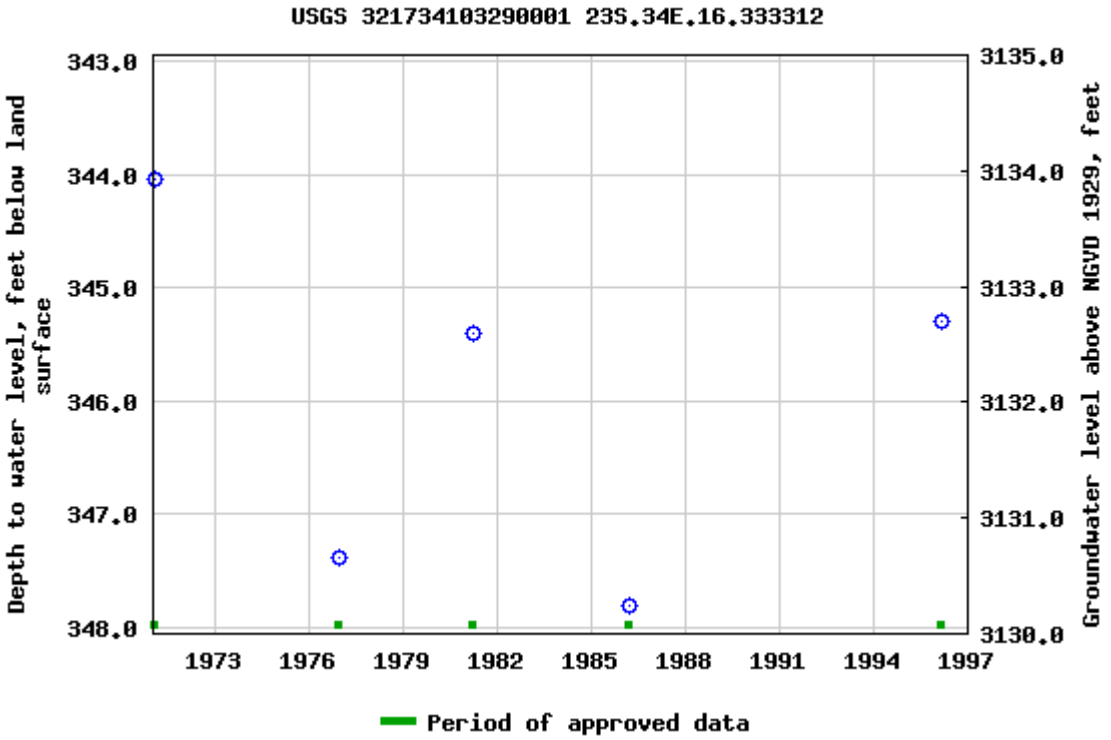
USGS 321734103290001 23S.34E.16.333312

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°17'53", Longitude 103°28'59" NAD27
Land-surface elevation 3,478.00 feet above NGVD29
The depth of the well is 400 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

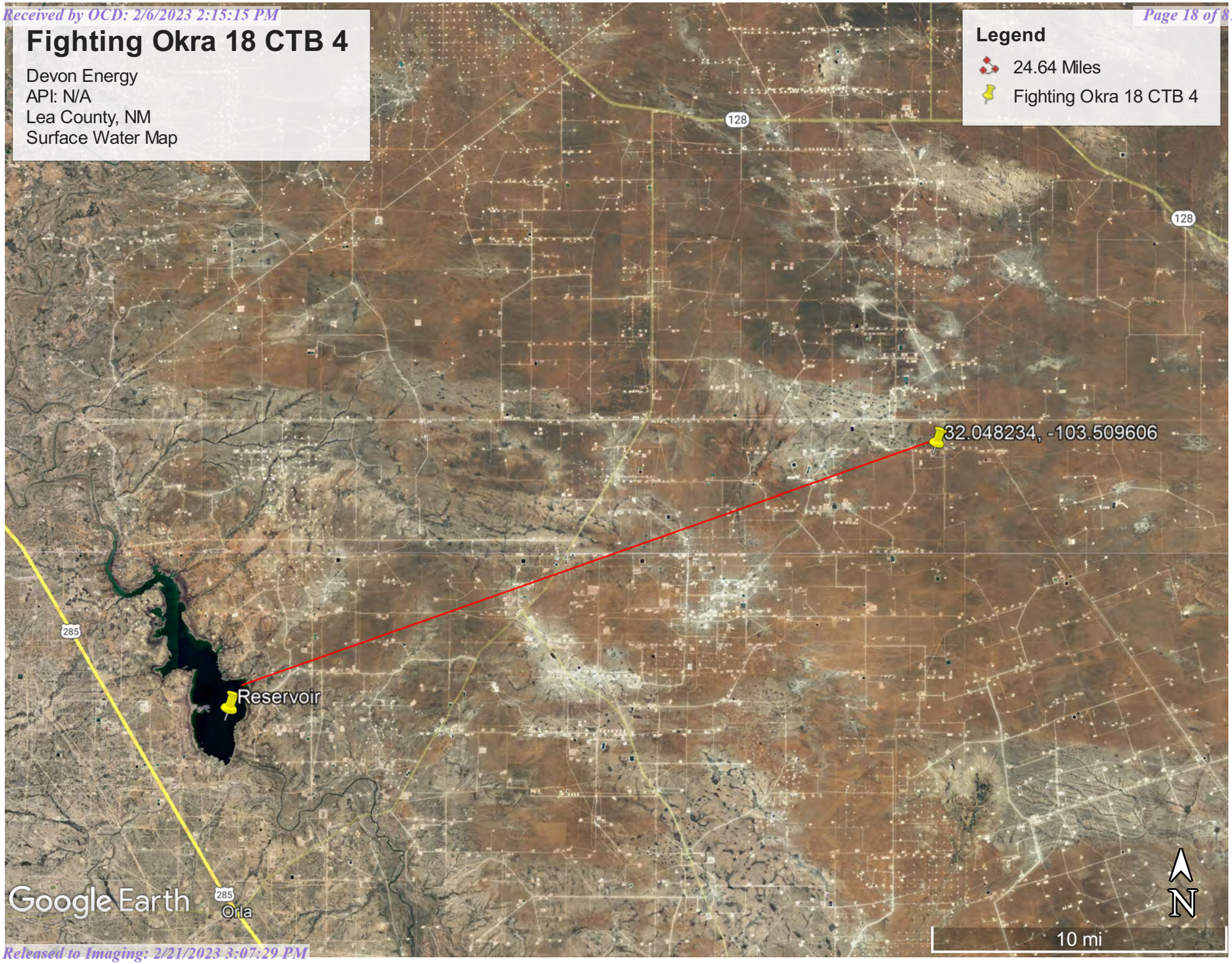
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-08-03 14:00:04 EDT
0.59 0.52 nadww02

Fighting Okra 18 CTB 4

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



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Lea County, New Mexico

SE—Simona fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmr2
Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

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

Typical profile

A - 0 to 8 inches: fine sandy loam
Bk - 8 to 16 inches: gravelly fine sandy loam
Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 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: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC002NM - Shallow Sandy
Hydric soil rating: No

Minor Components

Kimbrough
Percent of map unit: 8 percent
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Lea
Percent of map unit: 7 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Data Source Information

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

National Flood Hazard Layer FIRMette

FEMA

103°30'53"W 32°18'48"N

103°30'16"W 32°18'18"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/3/2022 at 7:50 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

November 22, 2022

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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: Kendra Ruiz Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 08/26/2022

NAPP2222724957

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
73.456	1.000
Cubic Feet of Soil Impacted	6.121
Barrels of Soil Impacted	1.09
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	0.22
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.22
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
73.456	4.000
Standing fluid	4.365
Total fluids spilled	**4.583**

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
259.726	1.000
Cubic Feet of Soil Impacted	21.644
Barrels of Soil Impacted	3.86
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.58
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.58
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
259.726	0.250
Standing fluid	0.965
Total fluids spilled	**1.543**

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

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 138376
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/29/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	51'-100' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/6/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222724957
District RP	
Facility ID	
Application ID	

Closure

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

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

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 2/6/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 02/21/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Gmail

Gio PimaOil <gio@pimaoil.com>

Fighting Okra 18 CTB 4 Confirmation for Sampling Event

2 messages

Gio PimaOil <gio@pimaoil.com> Tue, Jan 17, 2023 at 8:02 AM
To: ocdonline@state.nm.us

Good Morning,
Pima Environmental would like to notify you that we will be collecting confirmation samples at the Fighting Okra 18 CTB 4 for incidents NAPP2222724957,NAPP2231923999 & NAPP2114636364 . Pima personnel are scheduled to be on site for this sampling event at approximately 8:00 a.m. on Thursday, January 17, 2023. If you have any questions or concerns, please let me know. Thank you.

--
Gio Gomez
Project Manager
cell-806-782-1151
Office- 575-964-7740
Pima Environmental Services, LLC.

Gio PimaOil <gio@pimaoil.com> Tue, Jan 17, 2023 at 8:06 AM
To: ocdonline@state.nm.us

I apologize the correct date for sampling is Thursday January 19,2023
[Quoted text hidden]

Pima Environmental Services

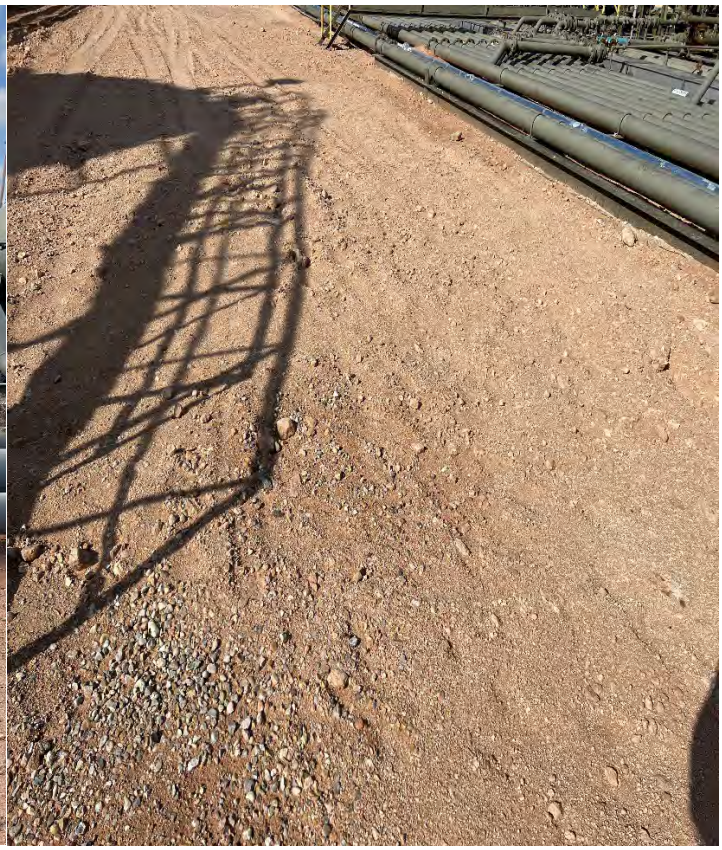
Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
DEVON ENERGY
FIGHTING OKRA 18 CTB 4

Site Assessment

Post scrape



Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	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

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 reguarding 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
ljarboe@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:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/14/22 13:19

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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*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)	**11800**	250	10	09/08/22	09/12/22	
Oil Range Organics (C28-C36)	**7490**	500	10	09/08/22	09/12/22	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*09/08/22*	*09/12/22*	
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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Project Name:	Fighting Okra 18 CTB 4 - nAPP2222724957	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	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	
Surrogate: 4-Bromochlorobenzene-PID		*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*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	
Surrogate: n-Nonane		*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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	Bill To	Lab Use Only
Project: Fighting Okra 1B CTB 4/64	Attention: Devon Energy	Lab WO# E209928
Project Manager: Tom Bynum	Address:	Job Number 01058-0007
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 186	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:00	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 # 210577228

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/7/22	2:01		9-7-22	3:01
	9-8-22	11:00		9/8/22	10:30

Lab Use Only — Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

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.

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Client: Pima Environmental Services	Bill To	Lab Use Only		TAT				EPA Program	
Project: Fighting Okra 18 CTB 46H	Attention: Devon Energy	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	E209028	01058-0007				X		
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method							RCRA
City, State, Zip Hobbs, NM, 88240	Phone:								
Phone: 580-748-1613	Email:								
Email: tom@pimaoil.com	Pima Project # 186								
Report due by:									

State: NM (x) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:50	9/6/22	S		BG 2	11									X				

Additional Instructions: Billing # 21057228

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/7/22	7:02	[signature]	9-7-22	[illegible]
[signature]	[illegible]	[illegible]	[signature]	9/8/22	10:30

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; 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.

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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	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

Comments/Resolution

No. of containers not provided on coc.

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-nAPP2222724957 9/9/22 CC

Client: Pima Environmental Services	Bill To
Project: Fighting Okra 18 CTB 4/6/11	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 186
Report due by:	

Lab Use Only: Lab WO# E209628 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	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 # 21057728 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. Sampled by: Andriana B

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/7/22	2:01		9-7-22	3:01
	9-8-22	11:00		9/8/22	10:30

Lab Use Only — Received on ice: (Y) N

T1 ____ T2 4 T3 ____

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.

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Project Information

Chain of Custody

Fighting Okra 18 CTB 4-nAPP2222724957 9/9/22 CC

Client: Pima Environmental Services	Bill To	Lab Use Only		TAT				EPA Program	
Project: Fighting Okra 18 CTB 4 6H	Attention: Devon Energy	Lab WO# E209028	Job Number 01058-0007	1D	2D	3D	Standard X	CWA	SDWA
Project Manager: Tom Bynum	Address:	Analysis and Method							RCRA
Address: 5614 N. Lovington Hwy.	City, State, Zip							State	
City, State, Zip Hobbs, NM, 88240	Phone:							NM X	CO, UT, AZ, TX
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/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:50	9/6/22	S		BG 2	11									X				

Additional Instructions: Billing # 21057228 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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Audriana B.

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/7/22	7:02	[signature]	9-7-22	[illegible]
[signature]	9-7-22	[illegible]	[signature]	9/8/22	10:30

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

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.

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Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Fighting Okra 18 CTB 4
Work Order:	E301114
Job Number:	01058-0007
Received:	1/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/24/23

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

Date Reported: 1/24/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Fighting Okra 18 CTB 4
Workorder: E301114
Date Received: 1/23/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2023 7:30:00AM, 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/23 12:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E301114-01A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CS-2	E301114-02A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CS-3	E301114-03A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CSW-1	E301114-04A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CSW-2	E301114-05A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CSW-3	E301114-06A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CSW-4	E301114-07A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.
CS4	E301114-08A	Soil	01/19/23	01/23/23	Glass Jar, 4 oz.

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CS-1

E301114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*97.4 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	40.0	2	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CS-2

E301114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	**51.7**	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	20.0	1	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CS-3

E301114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	20.0	1	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CSW-1

E301114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	20.0	1	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CSW-2

E301114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	**53.9**	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*82.7 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	20.0	1	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CSW-3

E301114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	40.0	2	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CSW-4

E301114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	20.0	1	01/23/23	01/23/23	

Sample Data

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:	Tom Bynum	1/24/2023 12:25:32PM

CS4

E301114-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304001
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304002
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304006
Chloride	ND	40.0	2	01/23/23	01/23/23	

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:	Tom Bynum	1/24/2023 12:25:32PM

Volatile Organics by EPA 8021B

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 (2304001-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
LCS (2304001-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	4.87	0.0250	5.00		97.5	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
Matrix Spike (2304001-MS1)				**Source: E301114-04**					Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.16	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2304001-MSD1)				**Source: E301114-04**					Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	4.66	0.0250	5.00	ND	93.3	54-133	0.248	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	0.106	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.234	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	0.314	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.218	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	0.251	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.12*		*8.00*		*102*	*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:	Tom Bynum	1/24/2023 12:25:32PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2304001-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			
LCS (2304001-BS2)									Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2304001-MS2)				**Source: E301114-04**					Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
Matrix Spike Dup (2304001-MSD2)				**Source: E301114-04**					Prepared: 01/23/23 Analyzed: 01/24/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130	8.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Fighting Okra 18 CTB 4	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:25:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304002-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			
LCS (2304002-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	212	25.0	250		84.8	38-132			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.3*	*50-200*			
Matrix Spike (2304002-MS1)				**Source: E301115-05**					Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	209	25.0	250	ND	83.5	38-132			
Surrogate: n-Nonane	*41.9*		*50.0*		*83.8*	*50-200*			
Matrix Spike Dup (2304002-MSD1)				**Source: E301115-05**					Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.1	38-132	5.40	20	
Surrogate: n-Nonane	*42.5*		*50.0*		*85.0*	*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:	Tom Bynum	1/24/2023 12:25:32PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304006-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	ND	20.0							
LCS (2304006-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	241	20.0	250		96.4	90-110			
Matrix Spike (2304006-MS1)				**Source: E301114-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	239	40.0	250	ND	95.6	80-120			
Matrix Spike Dup (2304006-MSD1)				**Source: E301114-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	243	40.0	250	ND	97.1	80-120	1.64	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:	Tom Bynum	01/24/23 12:25

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 1

Client: Pima Environmental Services	Bill To
Project: Fighting Okra 18 CT134	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-112-4
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E301114	10058-0007	X					
							RCRA

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
9:00	1/19/23	S	1	CS-1	1									X				
9:05				CS-2	2													
9:10				CS-3	3													
9:15				CSW-1	4													
9:20				CSW-2	5													
9:25				CSW-3	6													
9:30				CSW-4	7													
9:35				CS4	8													

Additional Instructions: Bill to Devon: 21095167

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	1-20-23	2:00	Mariell Cuyle	1-20-23	1400
Mariell Cuyle	1-20-23	1730	Lorenzo Lu	1-20-23	1730
Lorenzo Lu	1-20-23	0105 AM	Caitlin Christian	1/23/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
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

Envirotech Analytical Laboratory

Printed: 1/23/2023 8:57:34AM

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:	01/23/23 07:30	Work Order ID:	E301114
Phone:	(575) 631-6977	Date Logged In:	01/20/23 15:18	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	01/23/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration 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

Comments/Resolution

Client Instruction

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

Date

envirotech Inc.

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

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

CONDITIONS

Action 183181

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 183181
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	2/21/2023