



RECLAMATION REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

April 24, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



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

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

RE: Reclamation Report
LOCATION: Cotton Draw Unit 153 CTB
FACILITY ID: fAPP2128034967
GPS (NAD83): 32.166344, -103.764914
INCIDENT LOCATION: B-3-T25S-R31E
COUNTY: Eddy
NMOCD REF. NO. nAPP2316355602

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Reclamation Report for a crude oil release that occurred at the Cotton Draw Unit 153 CTB (Cotton). This incident was assigned Incident ID nAPP2316355602 by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

nAPP2316355602: June 12, 2023 – “Overspray from 2 phase separator in pasture.”

SITE CHARACTERIZATION

The Cotton release area is located approximately nineteen (19) miles southeast of Malaga, NM. This spill site is in Unit B, Section 3, Township 25S, Range 31E, Latitude 32.166318 Longitude -103.763825, Eddy County, NM. Figure 3 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. 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 Berino complex, 0 to 3 percent slopes, eroded, 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 Cotton (Figure 5) with the nearest medium karst zone being 3.11 miles south. A Topographic Map can be referenced in Figure 4.

Based on the well water data from the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this vicinity measures greater than 55 feet below grade surface (bgs). The closest POD with information is C-04593-POD1 which was drilled in 2022 and is approximately 0.23 miles away from this release area. The United States Geological Survey well water data shows the nearest groundwater well to be USGS 321034103465501 24S.31E.33.231113, which is situated approximately 1.28 miles away from the Cotton. This well records the depth to groundwater at 474 feet bgs in 1959. For detailed Water Surveys and Water-Related Maps please refer to Appendix A.

According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Freshwater Pond lies approximately 1.24 miles to the west of the release area. According to a FEMA search for flood hazard information, the Cotton is in Zone X – Area of Minimal Flood Hazard.

Closure criteria for reclamation activities at the Cotton are classified under the less than 50-foot depth to groundwater section of Table 1 19.15.29.13 NMAC. The regulatory limits are as follows: Chlorides should be less than 600 mg/kg, TPH (GRO+DRO+MRO) should be less than 100 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

A desktop review of the Cotton was performed and found to be in range of Special Status Plant and Wildlife Species.



This site lies within a Potential Habitat (Planning Area Only) of the Lesser Prairie Chicken Habitat – Isolated Population Area and the Scheer's beehive cactus. A Special Status Plant/Wildlife Map can be referenced in Figure 6.

REMEDATION CLOSURE REPORT APPROVED

On June 5, 2024, Devon submitted a final remediation closure report detailing the delineation and remediation activities associated with this incident.

On June 14, 2024, the NMOCD accepted and approved the remediation closure report for the incident, pending submission of Reclamation Report from the operator.

RECLAMATION ACTIVITIES

The release and reclamation extent were on the pad surface and in the pasture. Due to all the soil sample results reported previously, this incident did not require remediation. These results also verified that the top 4 feet of soil in this area includes non-waste containing, earthen material with contaminant levels that are below the regulatory limits of 19.15.29.13 NMAC. Therefore, once this pad surface is no longer needed for production or subsequent drilling operations, the following proposed revegetation plan is submitted for review.

Devon respectfully requests approval of this reclamation closure report for the release area associated with this incident.

PROPOSED VEGETATION PLAN

A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used. Based on the soil complex (Berino complex, 0 to 3 percent slopes, eroded) within and surrounding the site, The BLM Seed Mixture #2 for sandy sites will be used for seeding and will be seeded according to the following:

3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

The seed mix will be purchased from a New Mexico Department of Agriculture (NMDA) licensed dealer. Revegetation efforts will be completed in the first favorable growing season after all site reclamation activities have been completed.

RECLAMATION/VEGETATION MONITORING

Devon personnel will monitor vegetative growth to ensure the reclamation activities performed were sufficient. Monitoring will include inspections conducted at least semi-annually until revegetation is considered complete. The



inspections will include monitoring and treating the reclamation for unauthorized traffic, erosion, and invasive or noxious weeds. When it has been determined that vegetation has been established that reflects pre-disturbance vegetation cover with a total percent plant cover of greater than 70% of pre-disturbance area levels, excluding invasive or noxious weeds, a final revegetation report will be submitted for review/approval.

Should you have any questions or need additional information, please feel free to contact:
Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@devon.com.
Pima Environmental – Tom Bynum at 575-964-7740 or tom@pimaoil.com.

ATTACHMENTS

FIGURES:

- 1- Data Tables
- 2- Site Map
- 3- Location Map
- 4- Topographic Map
- 5- Karst Map
- 6- Special Status Plant/Wildlife Map

APPENDICES:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



FIGURES

- 1- Data Tables
- 2- Site Map
- 3- Location Map
- 4- Topographic Map
- 5- Karst Map
- 6- Special Status Plant/Wildlife Map



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
DEVON ENERGY - COTTON DRAW UNIT 153 CTB - nAPP2316355602							
Date: 5/21/24	NM Approved Laboratory Results						
Sample ID	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1 - Surface	ND	ND	ND	ND	ND	0	ND
S1 - 1'	ND	ND	ND	ND	ND	0	ND
S2 - Surface	ND	ND	ND	ND	ND	0	ND
S2 - 1'	ND	ND	ND	ND	ND	0	ND
SW1 (0-1')	ND	ND	ND	ND	ND	0	ND
SW2 (0-1')	ND	ND	ND	ND	ND	0	ND
SW3 (0-1')	ND	ND	ND	ND	ND	0	ND
SW4 (0-1')	ND	ND	ND	ND	ND	0	ND
SW5 (0-1')	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - COTTON DRAW UNIT 153 CTB								
Sample Date: 8/13/23		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'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	3'	ND	ND	ND	ND	ND	0	ND
SW 2	3'	ND	ND	ND	ND	ND	0	ND
SW 3	3'	ND	ND	ND	ND	ND	0	ND
SW 4	3'	ND	ND	ND	ND	ND	0	ND

Cotton Draw Unit 153 CTB

Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Site Map

Legend

- Horizontal delineation samples
- Release area - 181 sqft
- Vertical delineation samples

SW3
S2
SW4
SW2
SW5
S1
SW1

32.166344, -103.763726




Google Earth

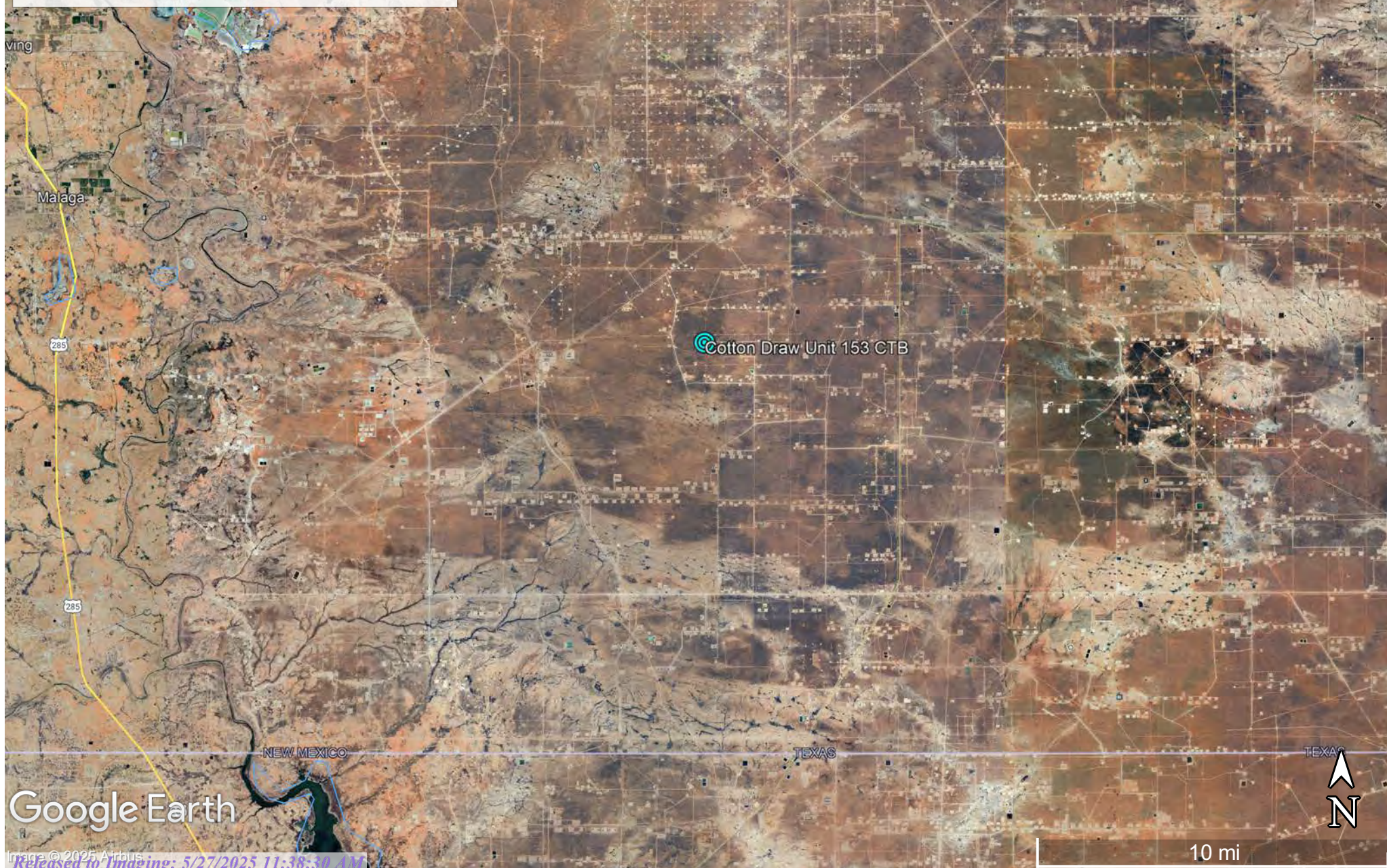
Cotton Draw Unit 153 CTB

Cotton Draw Unit 153 CTB

Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Location Map

Legend

 Cotton Draw Unit 153 CTB




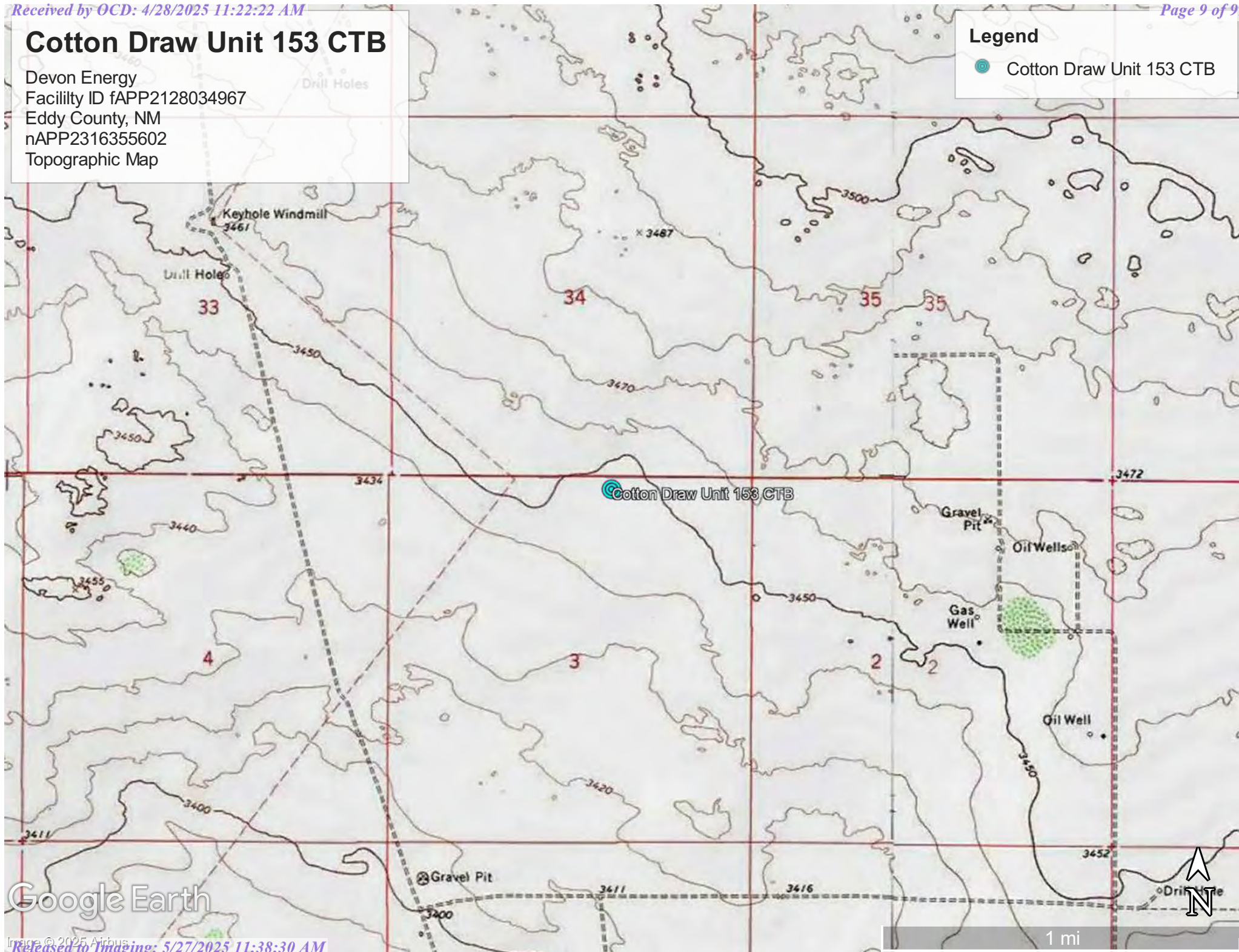
Google Earth

Cotton Draw Unit 153 CTB

Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Topographic Map

Legend

 Cotton Draw Unit 153 CTB



Google Earth

Cotton Draw Unit 153 CTB

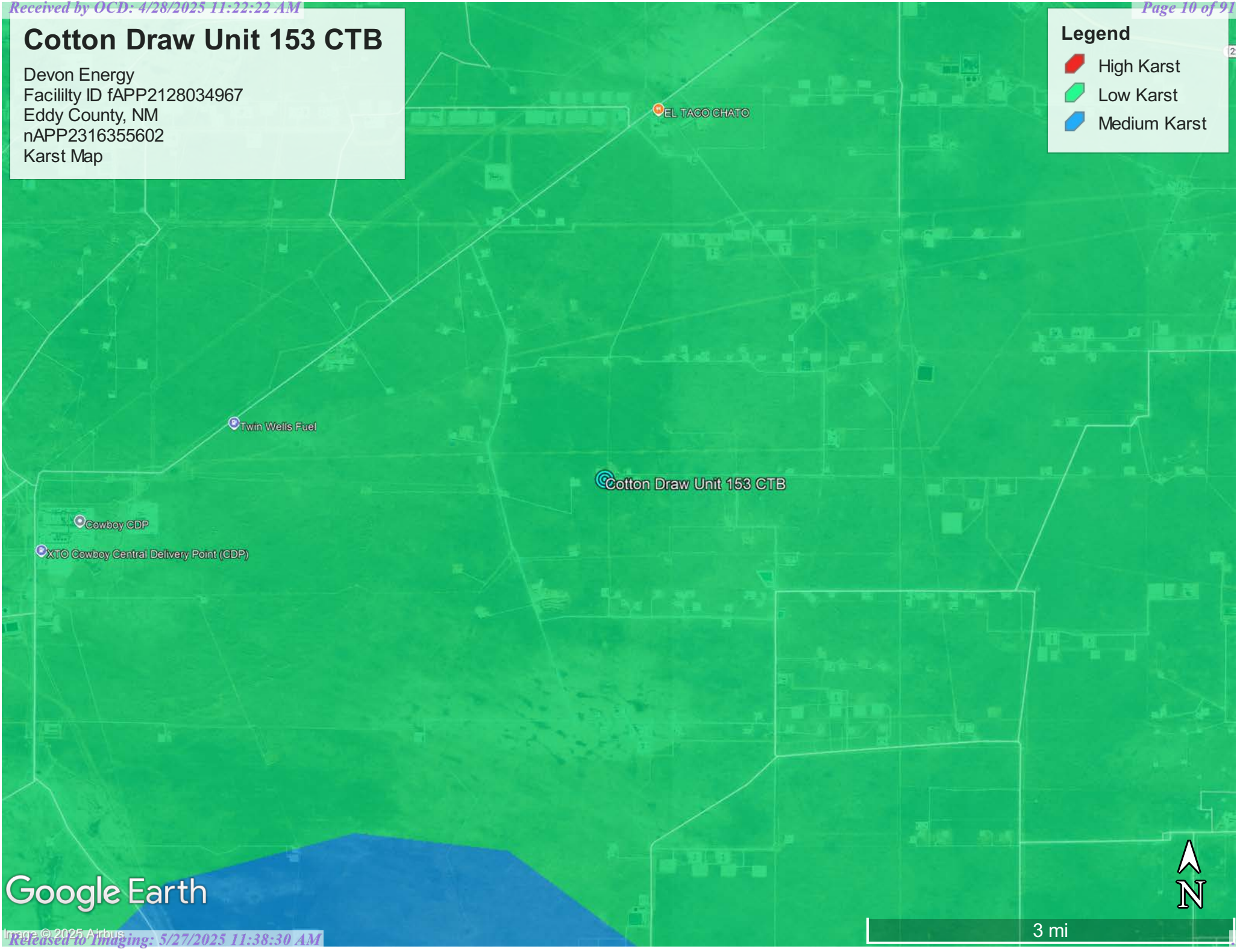
Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Karst Map

Legend

High Karst

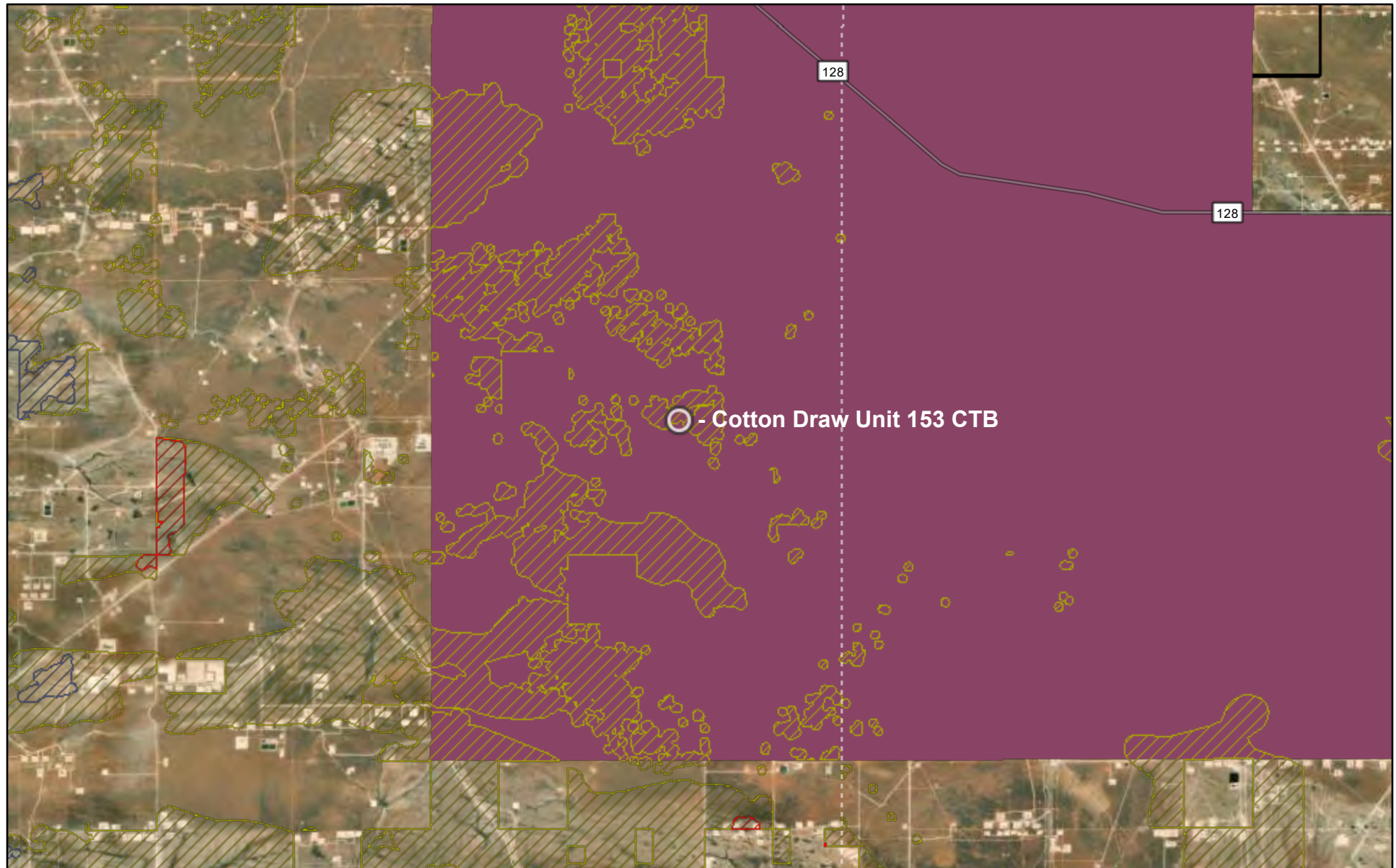
Low Karst

Medium Karst



Google Earth

Special Status Plant/Wildlife Map



4/25/2025

Potential Habitat (Planning Area Only)

Scheer's beehive cactus

Tharp's blue-star

Wright's waterwillow

Lesser Prairie Chicken Habitat

Isolated Population Area

Lesser Prairie Chicken TR

World Imagery

Low Resolution 15m Imagery

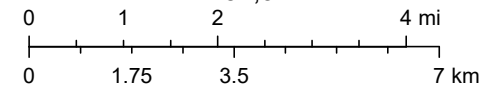
High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

38m Resolution Metadata

1:152,347



Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community,

APPENDIX A

Water Surveys

Water-Related Maps



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 04593 POD1		CUB	ED	SW	SE	SE	34	24S	31E	616902.6	3559674.6		377	55		
C 04762 POD1		CUB	ED	NE	SW	NW	03	25S	31E	615852.8	3559163.3		792	110		
C 02574		CUB	ED	NW	NW	NE	02	25S	31E	618092.0	3559494.0 *		1543			
C 04632 POD1		CUB	ED	NW	NE	NE	10	25S	31E	616802.3	3557964.2		1598	55		
C 02571		CUB	ED	SE	NW	NE	02	25S	31E	618292.0	3559294.0 *		1760	860		
C 04633 POD1		CUB	ED	NE	NW	NW	35	24S	31E	617394.3	3561170.0		1833			
C 02573		CUB	ED	NW	SE	NE	02	25S	31E	618499.0	3559091.0 *		2001			
C 02572		CUB	ED	SE	NE	NE	02	25S	31E	618695.0	3559294.0 *		2160	852		
C 02569		CUB	ED	SE	SE	NE	02	25S	31E	618699.0	3558891.0 *		2246	1016		
C 03830 POD1		CUB	ED	SE	NE	SE	02	25S	31E	618632.5	3558432.9		2360	450		
C 04479 POD1		CUB	ED	NE	NW	NW	04	25S	31E	614182.1	3559400.0		2371	0	0	0
C 02570		CUB	ED	SE	NE	SE	02	25S	31E	618704.0	3558489.0 *		2398	895		
C 02568		CUB	ED	SE	SW	NW	01	25S	31E	619103.0	3558892.0 *		2635	1025		

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 13

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 616548.84

Northing: 3559542.69

Radius: 03000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4593			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 2.97 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	45	36.48 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW L4 Sec 34 T24S R31E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 03/09/2022		DRILLING ENDED 03/10/2022		DEPTH OF COMPLETED WELL (FT) temporary well casing	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) dry	DATE STATIC MEASURED 03/10/22, 03/15/22	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

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

FILE NO. C-4593	POD NO. 1	TRN NO. 718730
LOCATION 24S.31E.34 344	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4593	POD NO.	1
LOCATION	245.31E.34 344	TRN NO.	718730
		WELL TAG ID NO.	—
			PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 719171
File Nbr: C 04595
Well File Nbr: C 04595 POD1

Apr. 05, 2022

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

Greetings:

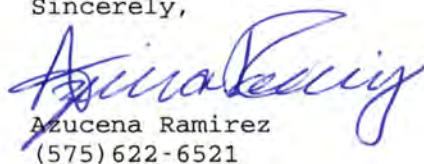
The above numbered permit was issued in your name on 02/16/2022.

The Well Record was received in this office on 04/04/2022, stating that it had been completed on 03/09/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/16/2023.

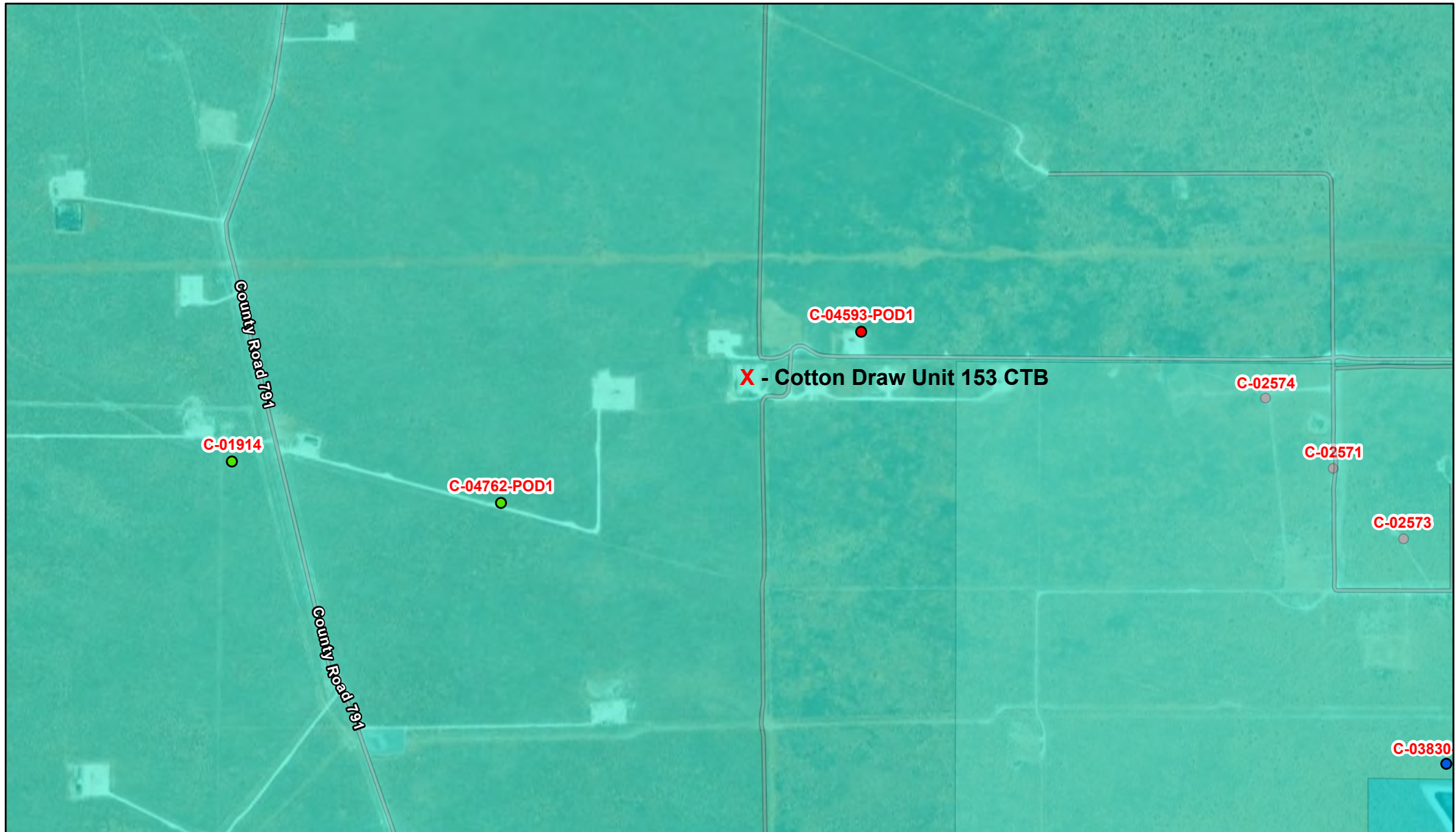
If you have any questions, please feel free to contact us.

Sincerely,


Azucena Ramirez
(575) 622-6521

drywell

OSE POD Location Map



4/24/2025, 3:44:21 PM

GIS WATERS PODs

● Active

● Pending

● Plugged

●

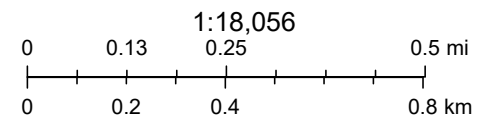
 OSE District Boundary

Water Right Regulations

 Artesian Plan Area

New Mexico State Trust Lands

 Subsurface Estate

 Both Estates


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



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[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321034103465501

Minimum number of levels = 1

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

USGS 321034103465501 24S.31E.33.231113

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°10'38.2", Longitude 103°46'53.0" NAD83

Land-surface elevation 3,461.00 feet above NGVD29

The depth of the well is 740 feet below land surface.

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

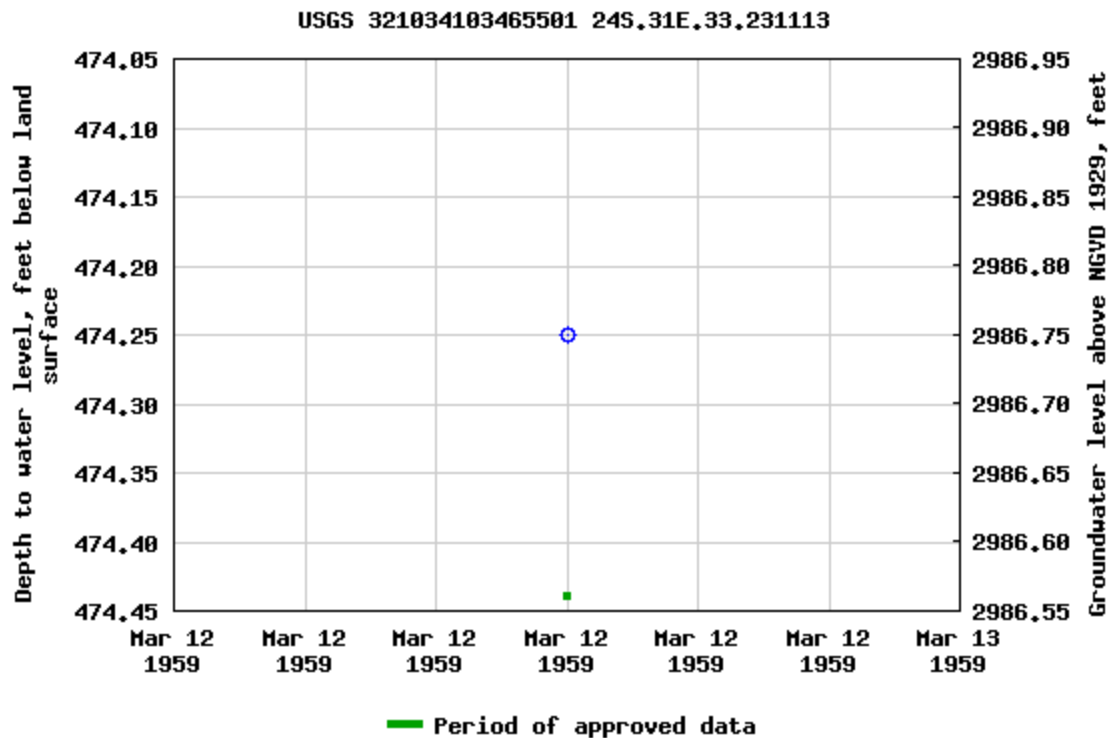
Output formats

[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](#)

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[Data Tips](#)

[Explanation of terms](#)

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

Title: Groundwater for USA: Water Levels

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



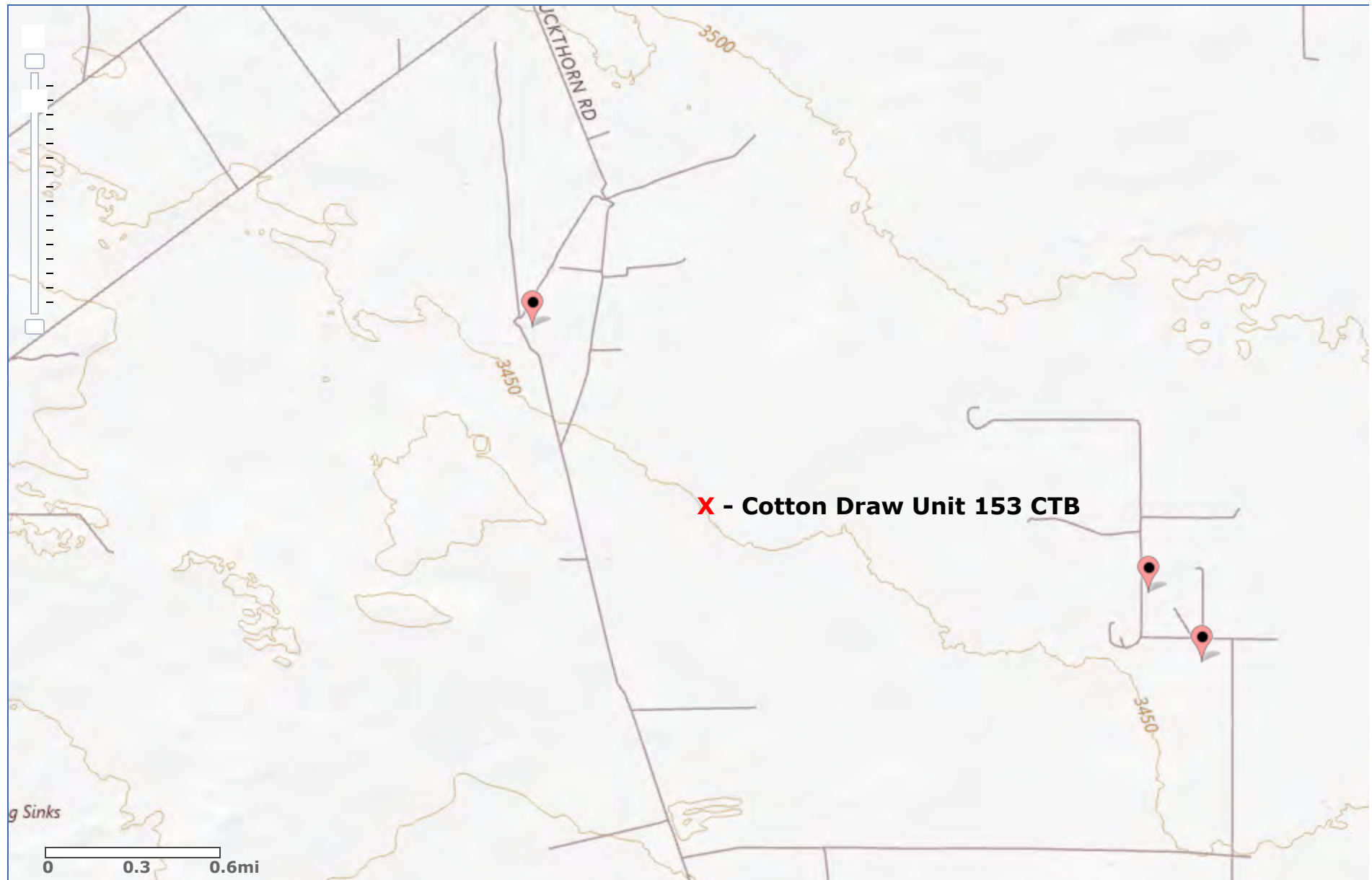
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-04-25 13:25:31 EDT

0.57 0.41 nadww02





National Water Information System: Mapper

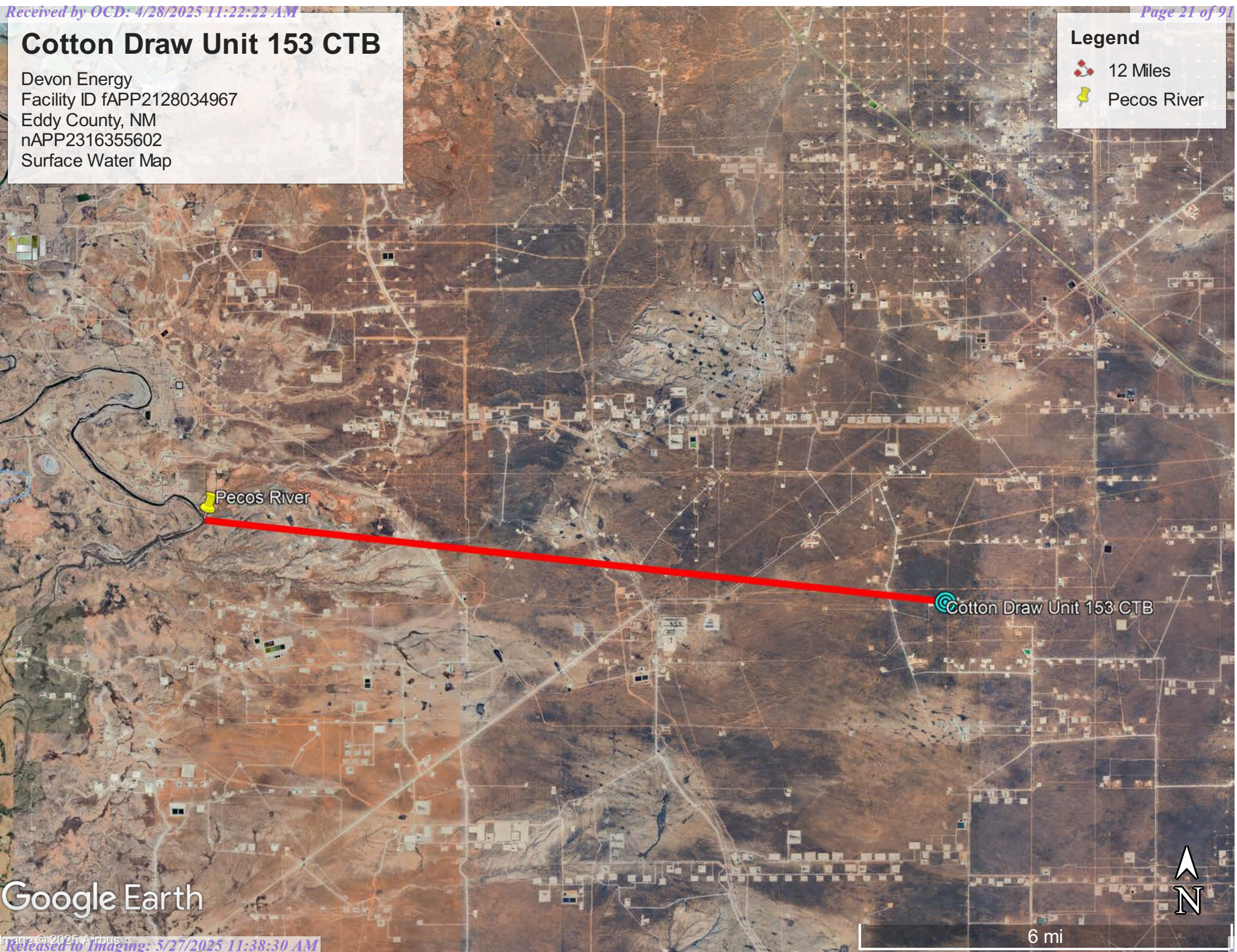


Cotton Draw Unit 153 CTB

Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Surface Water Map

Legend

-  12 Miles
-  Pecos River



Google Earth

6 mi





Wetlands Map



August 23, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°46'9"W 32°10'14"N



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

1:6,000

103°45'31"W 32°9'44"N

Released to Imaging: 5/27/2025 11:38:30 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/24/2023 at 12:46 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.

APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Kermit

Percent of map unit: 3 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/25/2025
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024

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

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

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



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	9.7	100.0%
Totals for Area of Interest		9.7	100.0%

Cotton Draw Unit 153 CTB

Devon Energy
Facility ID fAPP2128034967
Eddy County, NM
nAPP2316355602
Geologic Unit Map

Legend

-  Cotton Draw Unit 153 CTB
-  Eolian and piedmont deposits

 Cotton Draw Unit 153 CTB

Google Earth

Image © 2025 Airbus



1 mi

APPENDIX C

NMOCD Correspondence



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.

OCD Permitting

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

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	257218	Districts:	Artesia
Operator:	[6137] DEVON ENERGY PRODUCTION COMPANY, LP	Counties:	Eddy
Description:	DEVON ENERGY PRODUCTION COMPANY, LP [6137] , COTTON DRAW UNIT 153 CTB , nAPP2316355602		
Status:	REJECTED		
Status Date:	01/22/2024		
References (2):	fAPP2128034967, nAPP2316355602		

Forms

Attachments:	C-141
	Scaled Site Map

Questions

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

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary:

rharmlet (1/22/2024), The Closure Report is Denied. Surface samples need to be taken at sample point S-1 and S-2.

rharmlet (1/22/2024), All sidewall samples should be taken from the sidewall of the excavation. The “step-out” samples on pad to verify the edge of the release should only be a maximum of 1-2 feet from the observed edge of the release. Stepping out away from the release area to conduct horizontal delineation samples may tell us whether or not the release left the active well pad, but it does not tell us where the actual edge of the release is located. Please make sure that the edge of the release extent is accurately defined. Additionally, when equipment is located in and around the release area, samples must come from the sidewalls of the release area excavation. The OCD needs to know if the release went in, around, or under equipment/tanks/pipelines. Not having sidewall samples from the actual excavation won't give us those sampling data points that we need. “Step-out” samples should never be conducted if equipment is in the vicinity of the release area.

Go Back

APPENDIX D

Photographic Documentation



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.





APPENDIX E

Laboratory Reports



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

Cotton Draw Unit 153 CTB | nAPP2316355602

DEVON ENERGY PRODUCTION, LP.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153 CTB

Work Order: E405332

Job Number: 01058-0007

Received: 5/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/4/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153 CTB
Workorder: E405332
Date Received: 5/23/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2024 6:00:00AM, under the Project Name: Cotton Draw Unit 153 CTB.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - Surface	5
S1 - 1'	6
S2 - Surface	7
S2 - 1'	8
SW1 (0-1')	9
SW2 (0-1')	10
SW3 (0-1')	11
SW4 (0-1')	12
SW5 (0-1')	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 14:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - Surface	E405332-01A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S1 - 1'	E405332-02A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - Surface	E405332-03A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 1'	E405332-04A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW1 (0-1')	E405332-05A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW2 (0-1')	E405332-06A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW3 (0-1')	E405332-07A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW4 (0-1')	E405332-08A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW5 (0-1')	E405332-09A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

S1 - Surface

E405332-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.9 %	70-130	05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2422121	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/01/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2422049	
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

S1 - 1'

E405332-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422121
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2422049
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

S2 - Surface

E405332-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422121
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2422049
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported: 6/4/2024 2:22:11PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 1'

E405332-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422121	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2422049	
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

SW1 (0-1')

E405332-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422121
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2422049
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

SW2 (0-1')

E405332-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2422007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422121
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2422049
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153 CTB Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/4/2024 2:22:11PM
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SW3 (0-1')
E405332-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422121	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2422049	
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 2:22:11PM

SW4 (0-1')

E405332-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422121	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2422049	
Chloride	ND	20.0	1	05/29/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153 CTB Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/4/2024 2:22:11PM
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SW5 (0-1')
E405332-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422121	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/04/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		06/01/24	06/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2422049	
Chloride	ND	20.0	1	05/29/24	05/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 2:22:11PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2422007-BLK1)

Prepared: 05/28/24 Analyzed: 05/31/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			

LCS (2422007-BS1)

Prepared: 05/28/24 Analyzed: 06/01/24

Benzene	5.26	0.0250	5.00		105	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.1	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			

LCS Dup (2422007-BSD1)

Prepared: 05/28/24 Analyzed: 06/01/24

Benzene	5.41	0.0250	5.00		108	70-130	2.79	20	
Ethylbenzene	5.14	0.0250	5.00		103	70-130	3.68	20	
Toluene	5.35	0.0250	5.00		107	70-130	3.15	20	
o-Xylene	5.25	0.0250	5.00		105	70-130	3.78	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	3.80	20	
Total Xylenes	15.8	0.0250	15.0		106	70-130	3.79	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 2:22:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422007-BLK1) Prepared: 05/28/24 Analyzed: 05/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.66		8.00		108	70-130			

LCS (2422007-BS2) Prepared: 05/28/24 Analyzed: 06/01/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

LCS Dup (2422007-BSD2) Prepared: 05/28/24 Analyzed: 06/01/24

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130	2.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 2:22:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422121-BLK1)					Prepared: 06/01/24 Analyzed: 06/04/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.6		50.0		117	50-200			

LCS (2422121-BS1)					Prepared: 06/01/24 Analyzed: 06/04/24				
Diesel Range Organics (C10-C28)	299	25.0	250		120	38-132			
Surrogate: n-Nonane	59.6		50.0		119	50-200			

LCS Dup (2422121-BSD1)					Prepared: 06/01/24 Analyzed: 06/04/24				
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132	0.257	20	
Surrogate: n-Nonane	58.0		50.0		116	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 2:22:11PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2422049-BLK1)					Prepared: 05/29/24 Analyzed: 05/30/24				
Chloride	ND	20.0							
LCS (2422049-BS1)					Prepared: 05/29/24 Analyzed: 05/30/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2422049-BSD1)					Prepared: 05/29/24 Analyzed: 05/30/24				
Chloride	257	20.0	250		103	90-110	0.256	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:	Cotton Draw Unit 153 CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 14:22

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Dams Unit 153 CTB Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-4					Lab Use Only Lab WO# E 405332 Job Number 01058-0057 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:30	5/21	S		S1-Surface	1							X								
8:39				S1-1'	2															
8:46				S2-Surface	3															
8:53				S2-1'	4															
9:03				SW1 (0-1')	5															
9:11				SW2 (0-1')	6															
9:17				SW3 (0-1')	7															
9:22				SW4 (0-1')	8															
9:30				SW5 (0-1')	9															
Additional Instructions: B# 21181002																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.								
Relinquished by: (Signature) Kerime Horne Date 5/22/24 Time 12:56 Received by: (Signature) Michelle Gonzales Date 5-22-24 Time 1256																				
Relinquished by: (Signature) Michelle Gonzales Date 5-22-24 Time 1545 Received by: (Signature) [Signature] Date 5-22-24 Time 1745																				
Relinquished by: (Signature) [Signature] Date 5-22-24 Time 2400 Received by: (Signature) [Signature] Date 5/23/24 Time 0600																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				

Envirotech Analytical Laboratory

Printed: 5/28/2024 9:04:10AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/23/24 06:00	Work Order ID:	E405332
Phone:	(575) 631-6977	Date Logged In:	05/23/24 10:56	Logged In By:	Angelina Pineda
Email:	gio@pimaoil.com	Due Date:	05/31/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution**

No. of containers not documented on COC by client

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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: Cotton Draw Unit 153 CTB

Work Order: E308111

Job Number: 01058-0007

Received: 8/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/22/23

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.

Date Reported: 8/22/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153 CTB
Workorder: E308111
Date Received: 8/16/2023 8:05:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2023 8:05:00AM, under the Project Name: Cotton Draw Unit 153 CTB.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - 1'	5
S1 - 2'	6
S1 - 3'	7
S1 - 4'	8
S2 - 1'	9
S2 - 2'	10
S2 - 3'	11
S2 - 4'	12
SW1	13
SW2	14
SW3	15
SW4	16
QC Summary Data	17
QC - Volatile Organic Compounds by EPA 8260B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/22/23 15:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E308111-01A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S1 - 2'	E308111-02A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S1 - 3'	E308111-03A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S1 - 4'	E308111-04A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S2 - 1'	E308111-05A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S2 - 2'	E308111-06A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S2 - 3'	E308111-07A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
S2 - 4'	E308111-08A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
SW1	E308111-09A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
SW2	E308111-10A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
SW3	E308111-11A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.
SW4	E308111-12A	Soil	08/13/23	08/16/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S1 - 1'

E308111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	101 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	101 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	101 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	101 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane	102 %	50-200		08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S1 - 2'

E308111-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		103 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S1 - 3'

E308111-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		102 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S1 - 4'

E308111-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		101 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S2 - 1'

E308111-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		104 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S2 - 2'

E308111-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	102 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	102 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane	103 %	50-200		08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S2 - 3'

E308111-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		101 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		102 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

S2 - 4'

E308111-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		102 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		102 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		103 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

SW1

E308111-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	102 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		08/16/23	08/18/23	
Surrogate: Toluene-d8	102 %	70-130		08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane	103 %	50-200		08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

SW2

E308111-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		102 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		102 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		102 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

SW3

E308111-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		99.5 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		99.5 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		105 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 153 CTB
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/22/2023 3:03:31PM

SW4

E308111-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Benzene	ND	0.0250	1	08/16/23	08/18/23	
Ethylbenzene	ND	0.0250	1	08/16/23	08/18/23	
Toluene	ND	0.0250	1	08/16/23	08/18/23	
o-Xylene	ND	0.0250	1	08/16/23	08/18/23	
p,m-Xylene	ND	0.0500	1	08/16/23	08/18/23	
Total Xylenes	ND	0.0250	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2333040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/23	08/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/16/23	08/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/16/23	08/18/23	
Surrogate: Toluene-d8		103 %	70-130	08/16/23	08/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2333059
Diesel Range Organics (C10-C28)	ND	25.0	1	08/17/23	08/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/17/23	08/19/23	
Surrogate: n-Nonane		104 %	50-200	08/17/23	08/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2333062
Chloride	ND	20.0	1	08/17/23	08/21/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/22/2023 3:03:31PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333040-BLK1)

Prepared: 08/16/23 Analyzed: 08/18/23

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: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2333040-BS1)

Prepared: 08/16/23 Analyzed: 08/18/23

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.51	0.0250	2.50		101	70-130			
o-Xylene	2.56	0.0250	2.50		102	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.60	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike (2333040-MS1)

Source: E308111-05

Prepared: 08/16/23 Analyzed: 08/18/23

Benzene	2.69	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.70	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	8.00	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2333040-MSD1)

Source: E308111-05

Prepared: 08/16/23 Analyzed: 08/18/23

Benzene	2.59	0.0250	2.50	ND	104	48-131	3.77	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.5	45-135	4.61	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	3.74	24	
o-Xylene	2.65	0.0250	2.50	ND	106	43-135	1.66	27	
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135	2.23	27	
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135	2.04	27	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/22/2023 3:03:31PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333040-BLK1)

Prepared: 08/16/23 Analyzed: 08/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2333040-BS2)

Prepared: 08/16/23 Analyzed: 08/18/23

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike (2333040-MS2)

Source: E308111-05

Prepared: 08/16/23 Analyzed: 08/18/23

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2333040-MSD2)

Source: E308111-05

Prepared: 08/16/23 Analyzed: 08/18/23

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130	2.20	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/22/2023 3:03:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333059-BLK1)					Prepared: 08/17/23 Analyzed: 08/18/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.7		50.0		101	50-200			

LCS (2333059-BS1)					Prepared: 08/17/23 Analyzed: 08/18/23				
Diesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike (2333059-MS1)					Source: E308111-08		Prepared: 08/17/23 Analyzed: 08/18/23		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike Dup (2333059-MSD1)					Source: E308111-08		Prepared: 08/17/23 Analyzed: 08/18/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.91	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/22/2023 3:03:31PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2333062-BLK1)					Prepared: 08/17/23 Analyzed: 08/21/23				
Chloride	ND	20.0							
LCS (2333062-BS1)					Prepared: 08/17/23 Analyzed: 08/21/23				
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2333062-MS1)					Source: E308111-01		Prepared: 08/17/23 Analyzed: 08/21/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2333062-MSD1)					Source: E308111-01		Prepared: 08/17/23 Analyzed: 08/21/23		
Chloride	252	20.0	250	ND	101	80-120	1.68	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:	Cotton Draw Unit 153 CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/22/23 15:03

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services Project: Cotton Draw Unit 1530TB Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 302-4					Lab Use Only Lab WO# E 308 111 Job Number 01058-0007					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
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										State NM CO UT AZ TX NM				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
9:40	8/13/23	S	1	S1-1'	1									X						
9:45				S1-2'	2															
9:50				S1-3'	3															
9:55				S1-4'	4															
10:00				S2-1'	5															
10:05				S2-2'	6															
10:10				S2-3'	7															
10:15				S2-4'	8															
10:20				SW1	9															
10:25				SW2	10															
Additional Instructions: Billing #: 21181002																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: Y/N								
Kerime Adame		8-14-23		3:00		Carmelina Lank		8-15-23		11:45										
Carmelina Lank		8-15-23		11:45		Mesa Mesa		8-15-23		1:30		T1 T2 T3								
Mesa Mesa		8-16-23		1:30		Carmelina Lank		8-16-23		8:05		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: 8/16/2023 11:45:51AM

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:	08/16/23 08:05	Work Order ID:	E308111
Phone:	(575) 631-6977	Date Logged In:	08/15/23 15:44	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/22/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 456223

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2316355602
Incident Name	NAPP2316355602 COTTON DRAW UNIT 153 CTB @ 0
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2128034967] COTTON DRAW UNIT 153 CTB

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COTTON DRAW UNIT 153 CTB
Date Release Discovered	06/12/2023
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	2 phase separator popped off, causing overspray spill in the pasture, the E-pilot battery was dead in the ESD valve.

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/05/2024
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/21/2024
On what date will (or did) the final sampling or liner inspection occur	05/21/2024
On what date will (or was) the remediation complete(d)	05/21/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Online Phone Directory
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Oil Conservation Division
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QUESTIONS, Page 4

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	analytical results were below OCD action levels.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/05/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	350916
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2024
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	181

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see reports

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/05/2024
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QUESTIONS, Page 7

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	181
What was the total volume of replacement material (in cubic yards) for this site	0
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	12/01/2040
Summarize any additional reclamation activities not included by answers (above)	No remediation necessary, reclamation standard criteria already met
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 04/28/2025

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QUESTIONS, Page 8

Action 456223

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Action 456223

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 456223
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2316355602 COTTON DRAW UNIT 153 CTB, thank you. This Reclamation Report is approved.	5/27/2025