



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

May 14, 2025

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

Re: Reclamation Closure Report
Cotton Draw Unit 167 CTB
API No. N/A
GPS: Latitude 32.167493 Longitude -103.732874
UL - N, Sect 36, T24S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2103458288

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to submit this Reclamation Closure Report for a produced water release that occurred at the Cotton Draw Unit 167 CTB (Cotton). The initial C-141 was submitted on February 3, 2021 (Appendix C). This incident was assigned Incident ID NAPP2103458288 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cotton is located approximately twenty (20) miles southeast of Malaga, NM. This spill site is in Unit N, Section 36, Township 24S, Range 31E, Latitude 32.167493 Longitude -103.732874, Eddy County, NM. Figure 1 references a Location Map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 222 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 406 feet BGS. The closest waterway is the Pecos River located approximately 13.75 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW Data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2103458288: On January 21, 2021, a line to the heater treater developed a leak causing a fluid to be released on the pad. The released fluids were calculated to be approximately 11.9 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 10 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

June 15, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6/15/23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - COTTON DRAW UNIT 167								
Sample Date: 6/15/2023 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	345
	2'	ND	ND	ND	ND	ND	0	82.4
	3'	ND	ND	ND	ND	ND	0	32.1
	4'	ND	ND	ND	ND	ND	0	450
S-2	1'	ND	ND	ND	ND	ND	0	46.1
	2'	ND	ND	ND	ND	ND	0	60.2
	3'	ND	ND	ND	ND	ND	0	25.5
	4'	ND	ND	ND	ND	ND	0	452
S-3	1'	ND	ND	ND	ND	ND	0	1130
	2'	ND	ND	ND	ND	ND	0	20.1
	3'	ND	ND	ND	ND	ND	0	28.2
	4'	ND	ND	ND	ND	ND	0	469
S-4	1'	ND	ND	ND	ND	ND	0	1100
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	35.6
	4'	ND	ND	ND	66.1	ND	66.1	490
SW 1	6"	ND	ND	ND	ND	ND	0	111
SW 2	6"	ND	ND	ND	ND	ND	0	130
SW 3	6"	ND	ND	ND	ND	ND	0	131
SW 4	6"	ND	ND	ND	ND	ND	0	178
BG 1	6"	ND	ND	ND	ND	ND	0	163

ND- Analyte Not Detected

On July 19, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil 28 cubic yards was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 24, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5. Complete laboratory reports can be found in Appendix E.

7-24-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - COTTON DRAW UNIT 167								
Sample Date: 7/24/2023 NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1 Bottoms	2'	ND	ND	ND	ND	ND	0	ND
CS 2 Bottoms	2'	ND	ND	ND	ND	ND	0	ND
CS 3 Bottoms	2'	ND	ND	ND	ND	ND	0	ND
CS 4 Bottoms	2'	ND	ND	ND	ND	ND	0	ND
CS 5 Bottoms	2'	ND	ND	ND	ND	ND	0	ND
CSW 1	2'	ND	ND	ND	ND	ND	0	ND
CSW 2	2'	ND	ND	ND	ND	ND	0	ND
CSW 3	2'	ND	ND	ND	ND	ND	0	ND
CSW 4	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

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

A Remediation Closure Report was submitted on August 3, 2023, and was approved by NMOCD on January 17, 2024, pending submission of a Reclamation Closure Report.

Reclamation Activities

The release and reclamation extent were on the pad and the area was remediated according to 19.15.29.12 NMAC. The confirmation lab sample results verified all samples within the top 4 feet of soil in this area includes non-waste containing, earthen material with chloride levels that are less than 600 mg/kg and TPH concentrations less than 100 mg/kg per 19.15.29.13 NMAC.

On May 2, 2025, two 5-point composite samples were collected from the backfilled area. The results of this sampling event are provided in the following table. The lab results from this sampling event were received on May 6, 2025, and verified that the excavated area was backfilled with clean soil. Complete Laboratory Reports can be found in Appendix E.

5-2-2025 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Cotton Draw Unit 167 CTB								
Date: 5-2-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BACKFILL 1	COMP	ND	ND	ND	ND	ND	ND	ND
BACKFILL 2	COMP	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

Reclamation activities will be carried out within 25 years, provided that production and/or subsequent drilling operations have been completed. Seeding will be completed when the caliche is removed at the time of final reclamation of the site. 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.

Devon respectfully requests approval of this Reclamation Closure Report for the release area associated with this incident.

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 – DelRae Geller at 806-724-5391 or delrae@pimaoil.com.

Respectfully,

DelRae Geller

DelRae Geller
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1- Location Map

2- Topographic Map

3- Karst Map



4- Site Map

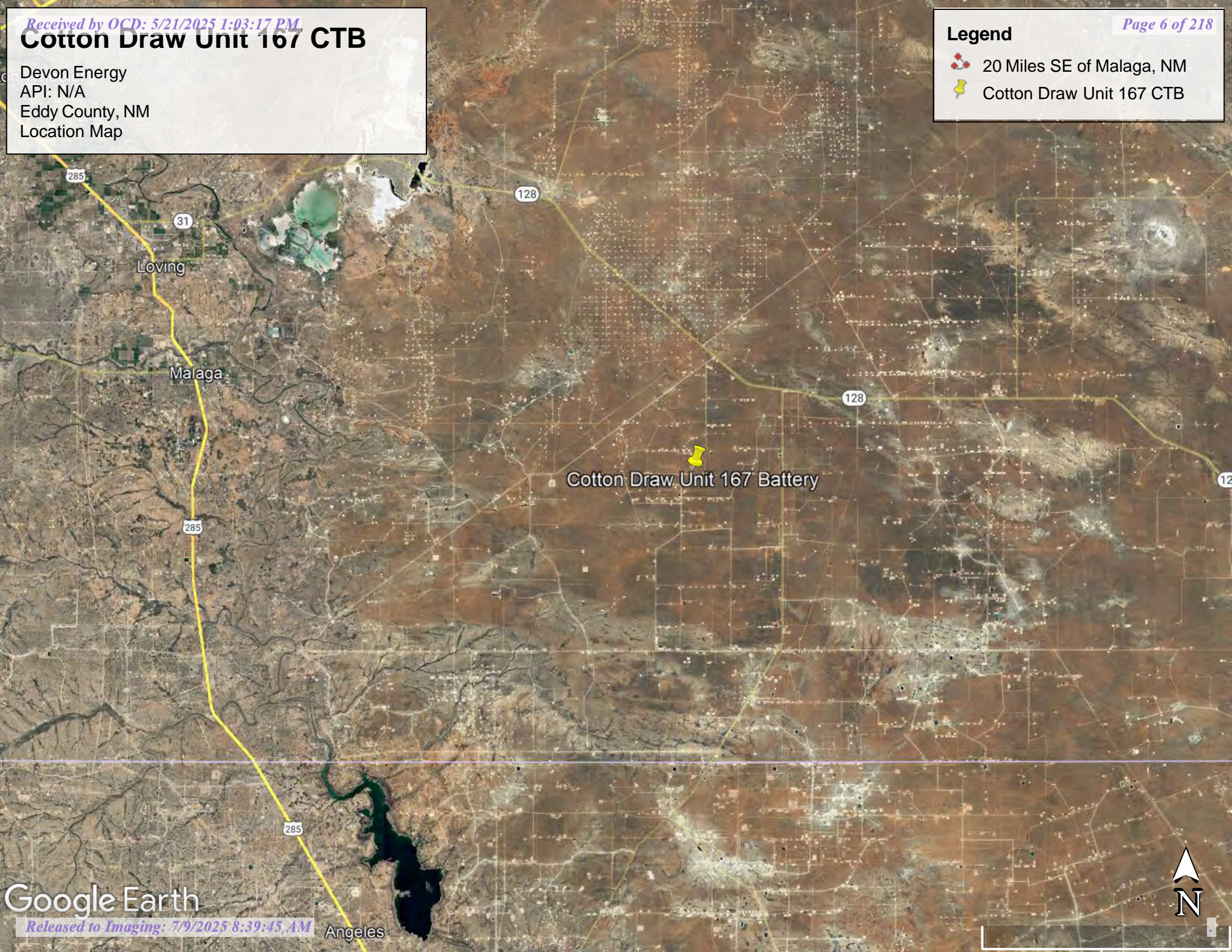
5- Confirmation Sample Map

Cotton Draw Unit 167 CTB

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

Legend

-  20 Miles SE of Malaga, NM
-  Cotton Draw Unit 167 CTB

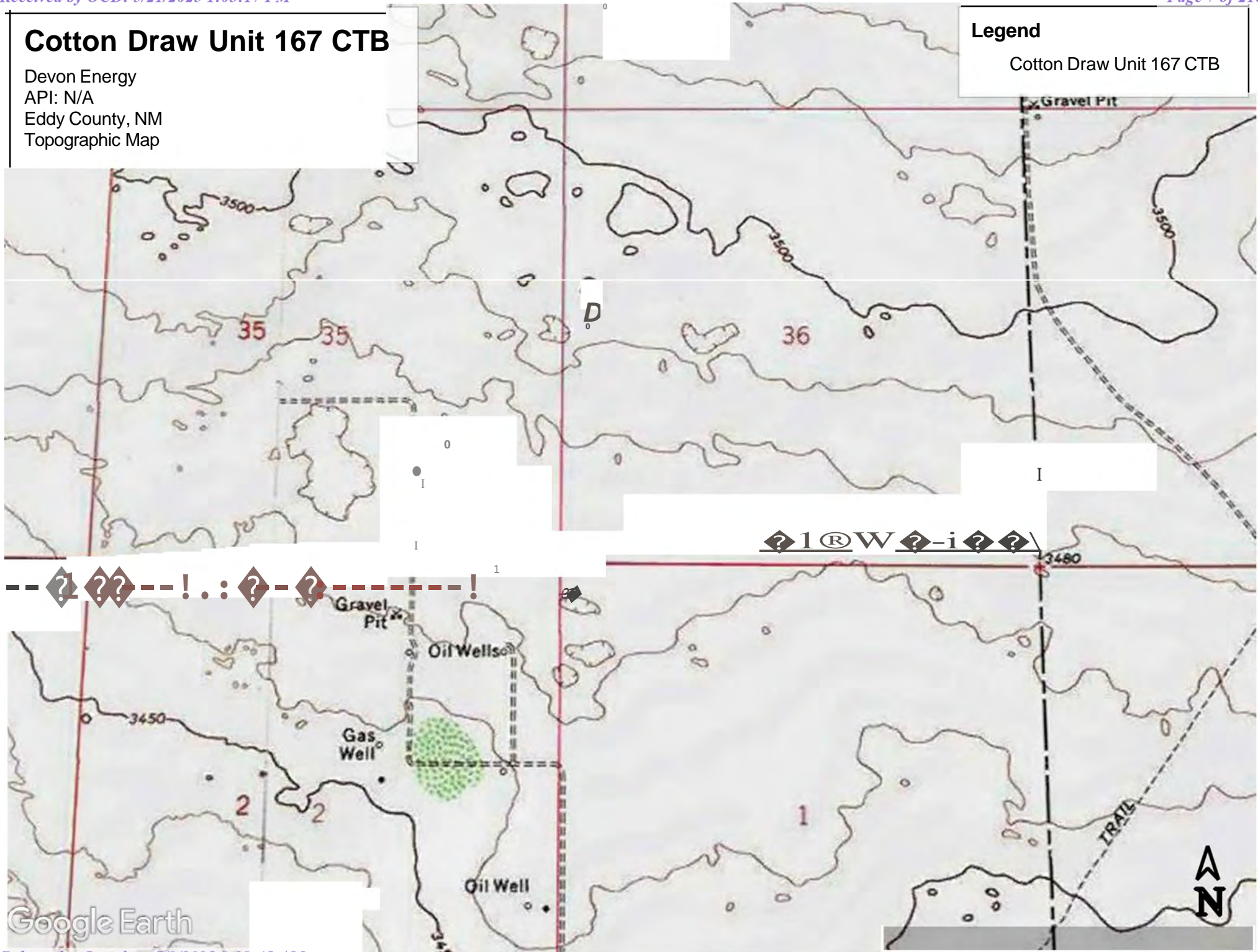


Cotton Draw Unit 167 CTB

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

Legend





Cotton Draw Unit 167 CTB




Cotton Draw Unit 167 CTB

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

Legend

-  Cotton Draw Unit 167 CTB
-  High Karst
-  Low Karst
-  Medium Karst

 32.167493, -103.732874

Google Earth



4 mi

Cotton Draw Unit 167 CTB

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

Legend

- Background/Sidewalls
- Cotton Draw Unit 167 CTB
- Samples
- Spill Area 935 sqft



Cotton Draw Unit 167 CTB





90 ft

Cotton Draw Unit 167 CTB

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

Legend

-  Cotton Draw Unit 167 CTB
-  Confirmation Samples/Sidewalls





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a

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

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

water right file.)

closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 02373		CUB	LE	4	1	32	24S	34E		641979	3560916*	2165	600		
C 03942 POD1		CUB	LE	3	1	2	35	24S	34E	647005	3561246	3289	420	222	198
C 03943 POD1		CUB	LE	2	4	2	21	24S	34E	644523	3564266	4282	610	431	179
C 02315		CUB	LE	2	4	2	15	25S	34E	646095	3556194	4386	175	135	40
C 02314		CUB	LE	2	4	2	15	25S	34E	646116	3556179	4410	175	135	40
C 02401		CUB	LE	2	2	1	01	25S	34E	648534	3559896*	4584	275	260	15
C 04042 POD1		CUB	LE	2	1	4	36	24S	34E	648539	3561545	4833			
Average Depth to Water:														236 feet	
Minimum Depth:														135 feet	
Maximum Depth:														431 feet	

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 643951.7

Northing (Y): 3560021.9

Radius: 5000

*UTM location was derived from PLSS - see Help

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

8/1/23 10:05 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 320952103444401

Minimum number of levels = 1

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

USGS 320952103444401 25S.31E.02.214411

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°09'50.0", Longitude 103°44'41.2" NAD83

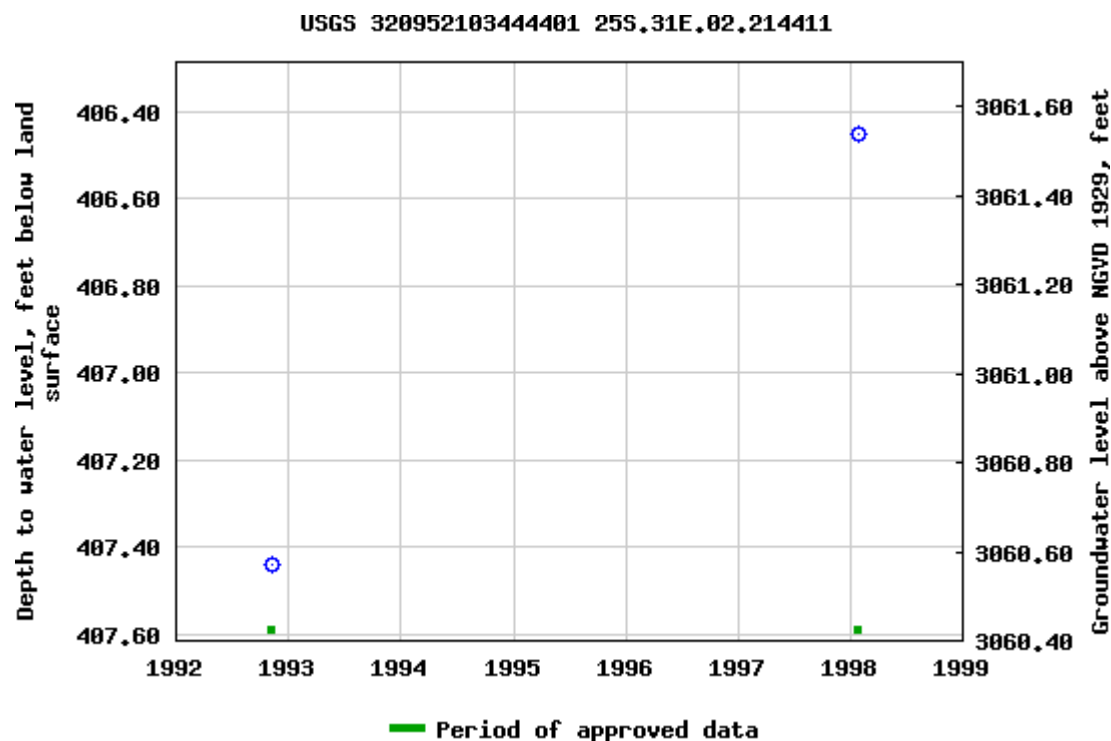
Land-surface elevation 3,468.0 feet above NGVD29

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

This well is completed in the Azotea Tongue of Seven Rivers Formation (313AZOT) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)
[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[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: 2022-09-23 15:30:27 EDT

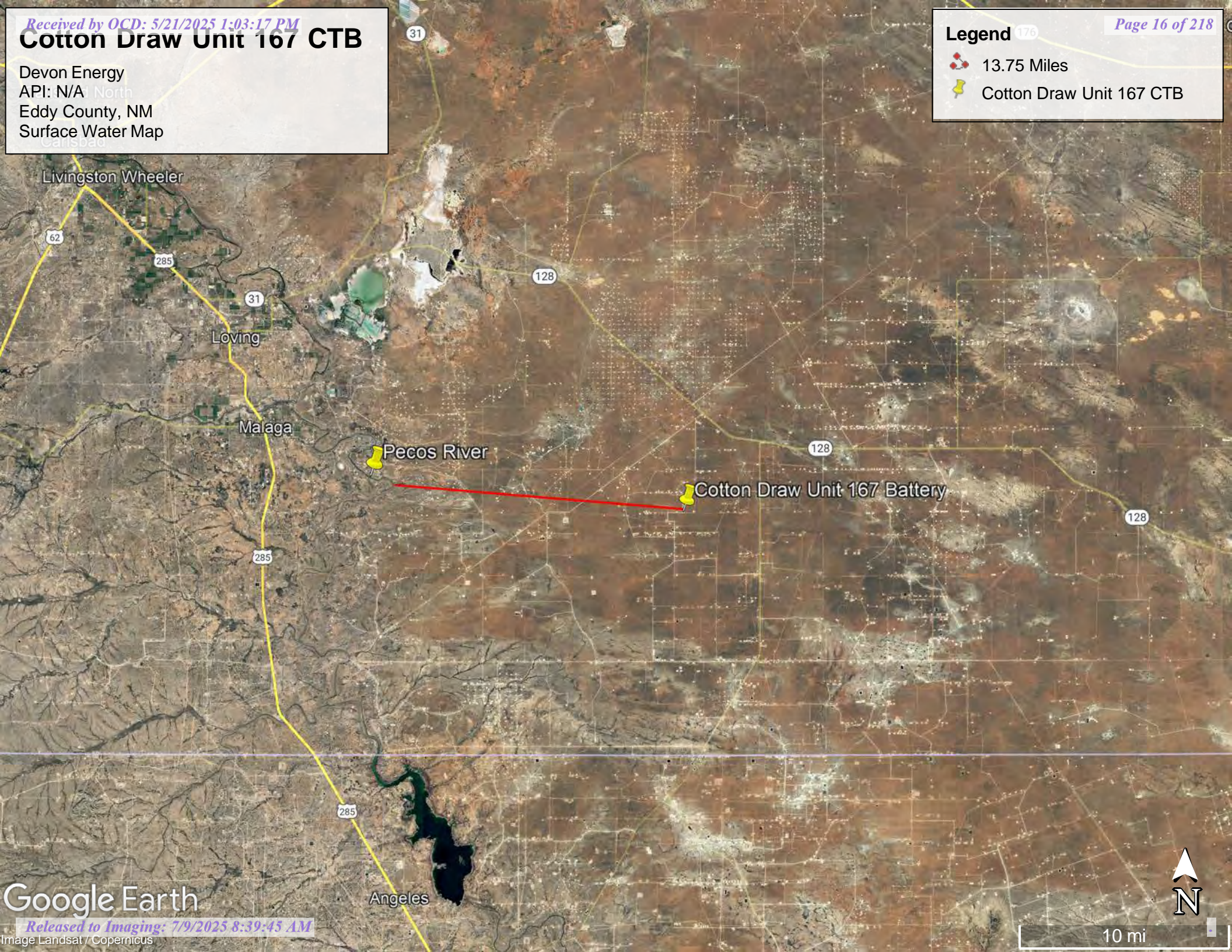
0.55 0.48 nadww01

Cotton Draw Unit 167 CTB

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

Legend

- 13.75 Miles
- Cotton Draw Unit 167 CTB





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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: R042XC003NM - 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: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent

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

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Kermi

Percent of map unit: 3 percent

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMette



103°44'17"W 32°10'18"N



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		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		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		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped

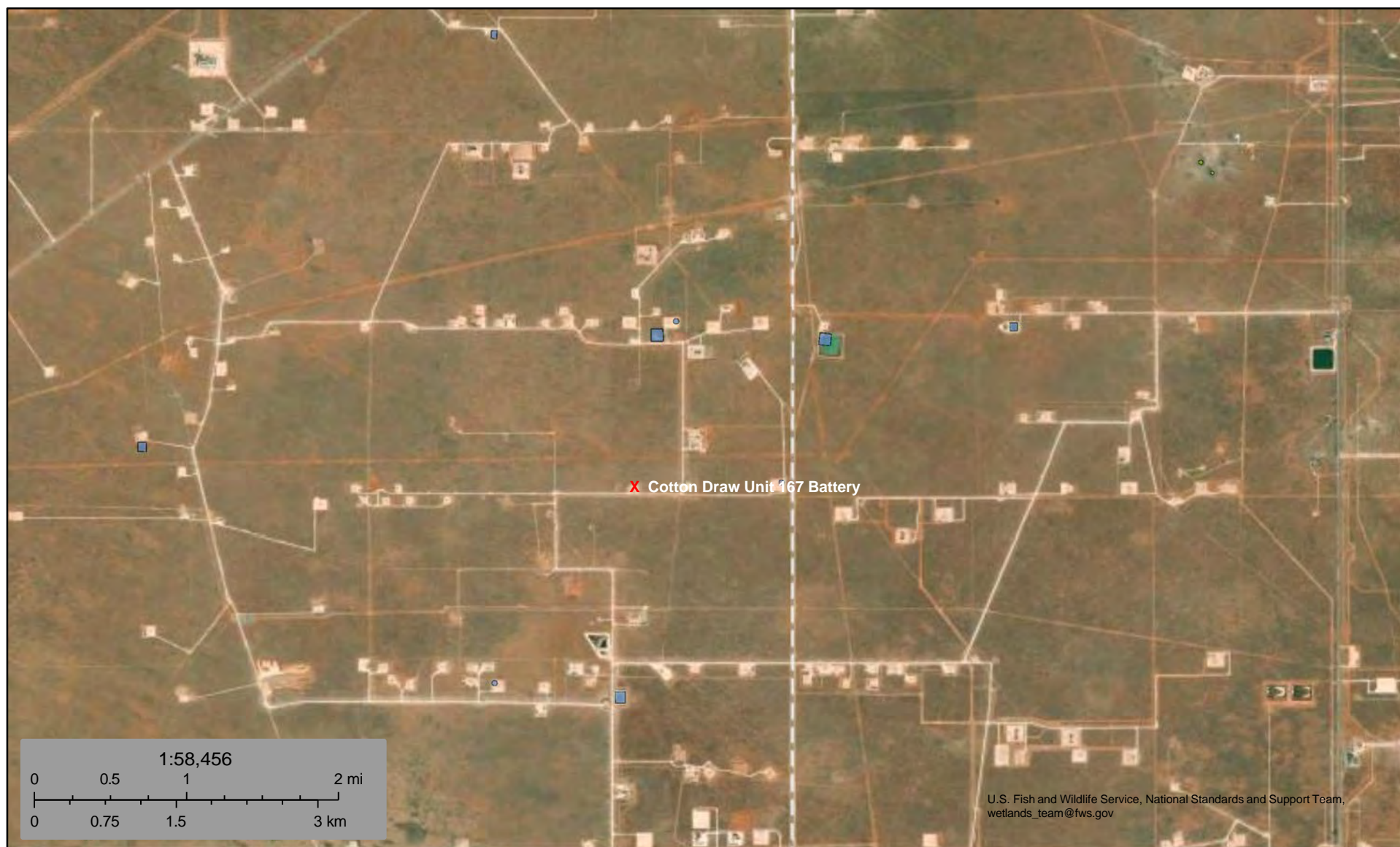


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

e
e
t



Wetlands Map



August 1, 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.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda Davis	Contact Telephone 575-748-0176
Contact email Amanda.Davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.167493 Longitude -103.732874
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cotton Draw Unit 167 CTB	Site Type Oil
Date Release Discovered 1/21/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	36	24S	31E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 11.9 BBLS	Volume Recovered (bbls) 10 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release The line to the heater treater developed a leak. All fluid stayed on location.

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra DeHoyos</u>	Title: <u>EHS Associate</u>
Signature: <u><i>Kendra DeHoyos</i></u>	Date: <u>2/3/2021</u>
email: <u>Kendra.DeHoyos@dvn.com</u>	Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/8/2021</u>

NAPP2103458288

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>142.401</u>	<u>0.010</u>
Cubic Feet of Soil Impacted	<u>0.119</u>
Barrels of Soil Impacted	<u>0.02</u>
Soil Type	<u>Sand</u>
Barrels of Oil Assuming 100% Saturation	<u>0.00</u>
Saturation	<u>Fluid present with shovel/backhoe</u>
Estimated Barrels of Oil Released	<u>0.00</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>142.401</u>	<u>0.010</u>
Standing fluid	<u>0.021</u>
Total fluids spilled	0.025

Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>292.856</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>6.101</u>
Barrels of Soil Impacted	<u>1.09</u>
Soil Type	<u>Clay/Sand</u>
Barrels of Oil Assuming 100% Saturation	<u>0.16</u>
Saturation	<u>Fluid present with shovel/backhoe</u>
Estimated Barrels of Oil Released	<u>0.16</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>292.856</u>	<u>0.250</u>
Standing fluid	<u>1.088</u>
Total fluids spilled	1.251

<u>Spills In Lined Containm e n t ----- 1</u>	
Measurements Of Standing Fluid	
Length(Ft)	60
Width(Ft)	16
Depth(in.)	0.75
¹ Total Capacity without tank displacements (bbls)	10.69
No. of 500 bbl Tanks In Standing Fluid	
No. of Other Tanks In Standine Fluid	
OD Of Other Tanks In Standing Fluid(feet)	16
otal Volume of standing fluid accounting for tank displacement.	10.69

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: *Dale Woodall* Date: 8/2/2023
email: dale.woodall@dnr.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Dale Woodall

Signature: _____ Date: 8/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Cotton Draw Unit 167 Battery - 48 Hour Notification

1 message

sebastian@pimaoil.com <sebastian@pimaoil.com>

Fri, Jul 21, 2023 at 2:07 PM

To: ocdonline@state.nm.us

Cc: tom@pimaoil.com, Polly@pimaoil.com, Gio PimaOil <gio@pimaoil.com>

Good afternoon,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Cotton Draw Unit 167 Battery (NAPP2103458288), on Monday July 24, 2023. Pima personnel will be on location at 6 am. Thank you.

Respectfully,

Sebastian Orozco

Project Manager

[5614 N Lovington Hwy,](#)

[Hobbs, NM 88240](#)

Sebastian@pimaoil.com

619-721-4813 cell





Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT 167 BATTERY**

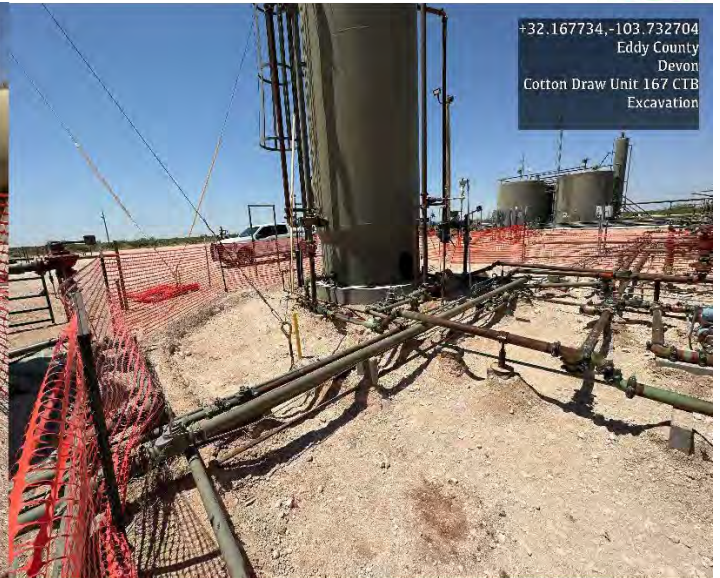
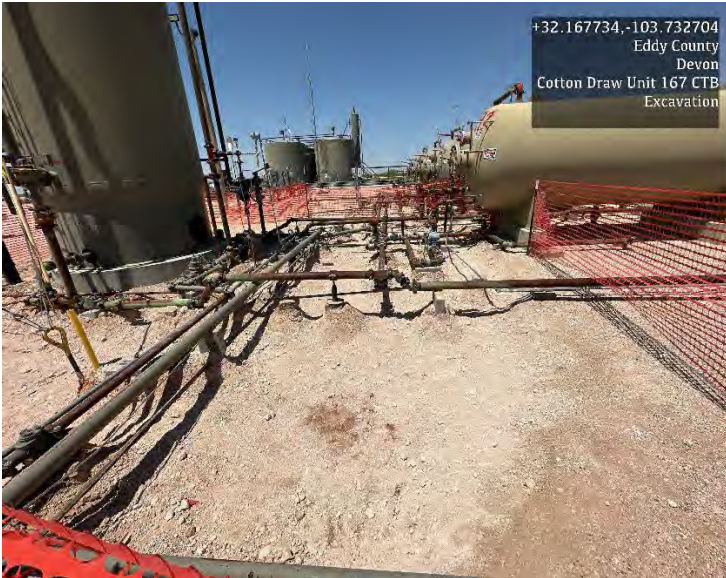
Site Assessment





Excavation

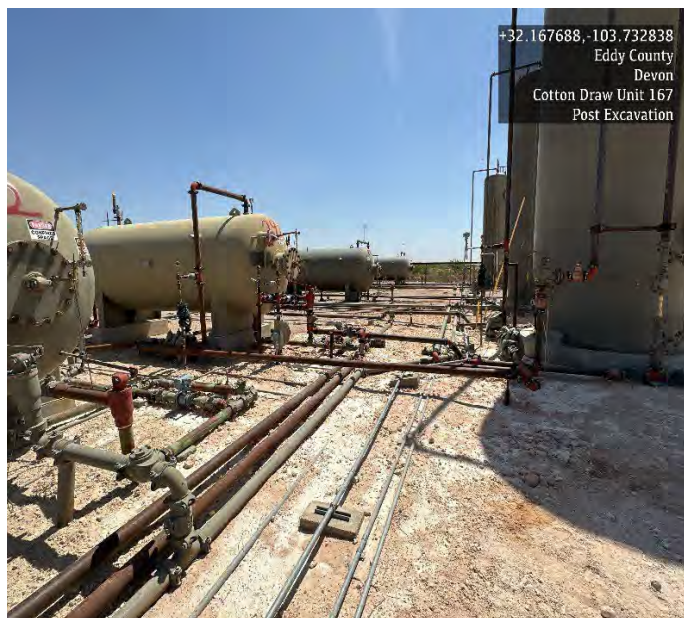






Post Excavation







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 167

Work Order: E306145

Job Number: 01058-0007

Received: 6/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/23/23

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 TI04704557 for data reported.

Date Reported: 6/23/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit l67
Workorder: E306145
Date Received: 6/19/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/19/2023 8:00:00AM, under the Project Name: Cotton Draw Unit l67.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit l67 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2'	11
S2 - 3'	12
S2 - 4'	13
S3 - 1'	14
S3 - 2'	15
S3 - 3'	16
S3 - 4'	17
S4 - 1'	18
S4 - 2'	19
S4 - 3'	20
S4 - 4'	21
SW1	22
SW2	23
SW3	24
SW4	25

Table of Contents (continued)

BG1	26
QC Summary Data	27
QC - Volatile Organics by EPA 8021B	27
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	35
Chain of Custody etc.	36

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/23/23 09:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306145-01A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 2'	E306145-02A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 3'	E306145-03A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 4'	E306145-04A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 1'	E306145-05A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 2'	E306145-06A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 3'	E306145-07A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 4'	E306145-08A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 1'	E306145-09A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 2'	E306145-10A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 3'	E306145-11A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 4'	E306145-12A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 1'	E306145-13A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 2'	E306145-14A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 3'	E306145-15A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 4'	E306145-16A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW1	E306145-17A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW2	E306145-18A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW3	E306145-19A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW4	E306145-20A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
BGI	E306145-21A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.



Sample Data

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

Project Name: Cotton Draw Unit l67
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 1'

E306145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Gasoline Range Organics (C6-Cl0)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2325024	
Diesel Range Organics (Cl0-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	80.4 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2325027	
Chloride	345	40.0	2	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 2'

E306145-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		79.5 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	82.4	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 3'

E306145-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.9 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		80.5 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	32.1	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 4'

E306145-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	450	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 1'

E306145-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.3 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		74.9 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	46.1	40.0	2	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 2'

E306145-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		77.2 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	60.2	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 3'

E306145-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.3 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		72.5 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	25.5	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 4'

E306145-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	74.9 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	452	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 1'

E306145-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.2 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		72.8 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	1130	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 2'

E306145-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.0 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		66.6 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	20.1	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 3'

E306145-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	77.8 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	28.2	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 4'

E306145-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	469	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 1'

E306145-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	74.0 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	1100	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 2'

E306145-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.9 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		76.3 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	ND	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 3'

E306145-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.2 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		82.0 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	35.6	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 4'

E306145-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	66.1	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>		81.9 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	490	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW1

E306145-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		92.5 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	111	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW2

E306145-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.8 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		86.9 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	130	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW3

E306145-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.2 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		87.6 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	131	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW4

E306145-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.8 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
		85.6 %	50-200	06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	178	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

BG1

E306145-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325010
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	0.0557	0.0500	1	06/19/23	06/20/23	
Total Xylenes	0.0557	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.5 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325010
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	70-130	06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
		83.9 %	50-200	06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325025
Chloride	163	20.0	1	06/20/23	06/20/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2325010-BLK1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			

LCS (2325010-BS1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.87	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike (2325010-MS1)

Source: E306144-22

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2325010-MSD1)

Source: E306144-22

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.63	0.0250	5.00	ND	92.7	54-133	0.465	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133	0.0647	20	
Toluene	4.91	0.0250	5.00	ND	98.3	61-130	0.185	20	
o-Xylene	4.98	0.0250	5.00	ND	99.6	63-131	0.321	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	0.0776	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	0.160	20	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2325016-BLK1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			

LCS (2325016-BS1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.84	0.0250	5.00		96.8	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2325016-MS1)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.59	0.0250	5.00	ND	91.9	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike Dup (2325016-MSD1)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.58	0.0250	5.00	ND	91.6	54-133	0.266	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.7	61-133	0.230	20	
Toluene	4.85	0.0250	5.00	ND	97.1	61-130	0.550	20	
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131	0.639	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.319	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	0.427	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2325010-BLK1)

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

LCS (2325010-BS2)

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	47.4	20.0	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.3	70-130			

Matrix Spike (2325010-MS2)

Source: E306144-22

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

Matrix Spike Dup (2325010-MSD2)

Source: E306144-22

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	47.0	20.0	50.0	ND	94.1	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2325016-BLK1)

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

LCS (2325016-BS2)

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	44.3	20.0	50.0		88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2325016-MS2)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	45.0	20.0	50.0	ND	90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

Matrix Spike Dup (2325016-MSD2)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-Cl0)	44.4	20.0	50.0	ND	88.7	70-130	1.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit l67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2325022-BLK1)

Prepared: 06/20/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

LCS (2325022-BS1)

Prepared: 06/20/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike (2325022-MS1)

Source: E306121-04

Prepared: 06/20/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	32.1		50.0		64.3	50-200			

Matrix Spike Dup (2325022-MSD1)

Source: E306121-04

Prepared: 06/20/23 Analyzed: 06/20/23

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	1.51	20	
Surrogate: n-Nonane	38.9		50.0		77.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2325024-BLK1)

Prepared: 06/20/23 Analyzed: 06/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

LCS (2325024-BS1)

Prepared: 06/20/23 Analyzed: 06/21/23

Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	37.9		50.0		75.9	50-200			

Matrix Spike (2325024-MS1)

Source: E306145-10

Prepared: 06/20/23 Analyzed: 06/21/23

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	32.7		50.0		65.4	50-200			

Matrix Spike Dup (2325024-MSD1)

Source: E306145-10

Prepared: 06/20/23 Analyzed: 06/21/23

Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	0.509	20	
Surrogate: n-Nonane	32.1		50.0		64.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2325025-BLK1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	ND	20.0							
LCS (2325025-BS1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2325025-MS1)					Source: E306121-01		Prepared: 06/20/23 Analyzed: 06/21/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2325025-MSD1)					Source: E306121-01		Prepared: 06/20/23 Analyzed: 06/21/23		
Chloride	263	20.0	250	ND	105	80-120	0.880	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2325027-BLK1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	ND	20.0							
LCS (2325027-BS1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2325027-MS1)					Source: E306145-01		Prepared: 06/20/23 Analyzed: 06/20/23		
Chloride	615	40.0	250	345	108	80-120			
Matrix Spike Dup (2325027-MSD1)					Source: E306145-01		Prepared: 06/20/23 Analyzed: 06/20/23		
Chloride	614	40.0	250	345	108	80-120	0.127	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 167	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/23/23 09:19

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 J of 3

Client: PE Pirox:enta: S00itlt

Bill To

>' .:./>:,)J; 0b Us:1fOoM..>.:>.:>.*:

TAT

EPA Program

Project: .± " \43 J._L

Project Manager: Tom B1£□Ym

f:t' Attention: 1)e, Y. Qf, J
Address:

223i11\$iiJ:::, 222ff{. 1D 2D 3D Standard CWA SDWA

Address: 5614 N. Lovington HYa.

Ci. state, ZiQ t:labbs t!IM 88 00

Phone: 580-748-1613
tom@emaco.com

If: .. Ci. State, ZiQ

Phone:

Email:

Analysis and Method

U/ RCRA
iri:..<r:/

NMI CO UTI 77.. TX I

Reoort due bv:

0;.. Pima Project# Zt) 2

i" i! ... 0 ...
0a: 0a: N i \$ 8.. z
i i 1 2
i i 1 6

XI I I

Time Sampled	Date Sampled	Matrix	No. of CO ₂ tainer,	Sample 10
f:00	(p/IS"	5	I	Sl -1 \

tab -
Null'l'lbei'

C5
:ii 1
"/(

Remarks

0 f . S / -2 \.

<(: /0
'6 15"
S(-3'-
SI - ?

3
4.

<{:lf>
2- \'

<t':2\$"
'?!1n
y_-JS
r: 20
S2-'2'
S2-- ?
SZ. - ?
S3-'.

' ?
7 ..
q

o:LtS- i • SS-2 '

/0

Additional Instructions:

! ?r'

Client Name: ABC COMPANY										Address: 123 Main St, Anytown, CA 90210										Phone: (555) 123-4567										Fax: (555) 987-6543										E-mail: info@abc.com																																																																																																																																																																																			
Sample ID: ENV-2024-001																				Date of Collection: 10/26/2024																				Time of Collection: 14:30																				Location: Site A - Groundwater																				Sampler: John Doe																				Analyst: Jane Smith																																																																																																																							
Sample Description: Groundwater from monitoring well MW-01																				Container Type: Glass																				Preservative: None																				Storage Temp: 4°C																				Analysis Method: IC-MS/MS																				Detection Limit: 0.1 mg/L																				Reporting Limit: 0.5 mg/L																																																																																																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																				Sample Lot: 001																				Sample Project: Site A																				Sample Client: ABC Company																				Sample Analyst: Jane Smith																				Sample Reviewer: John Doe																				Sample Approver: John Doe																				Sample Date: 10/26/2024																				Sample Time: 14:30																			
Sample Matrix: Water																				Sample Type: Water																				Sample Volume: 100 mL																				Sample Weight: 100 g																				Sample pH: 7.2																				Sample Conductivity: 150 µS/cm																				Sample Temperature: 15°C																				Sample Date: 10/26/2024																				Sample Time: 14:30																																																											
Sample Name: Groundwater																				Sample Number: 001																				Sample Batch: 001																																																																																																																																																																																			

Project Information

Chain of Custody

Page C of-2.._

??=|??:??|?rflf;7

Attention: :()c Bill To
vtJfl

J,ilV Only --ti; \> 1D 20 3D TAT Sta n dard CWA Program
t•?}'.: 'J!l?fJJJit:

Project Manager: Tom Bynum

Address:

Address: 5614 N. Lovington Hlt'.Y-

i Civil State ZIQ

CIn'.. State, Zir:i l:l12bbs t!IM fH32?!

" Phone:

Phone: **580-748-1613**

Email:

Email: tom@pimaoil.com

Pima Project# *ZO*;- 'Z

Re12ort due bli::

Analysis and Method RCRA

State

NMI	CO	UT	AZ	TX
-----	----	----	----	----

Time Sampled	Date Sampled	Matrix	No. of Conc'n	Sample ID	Lab. No.	Remarks
Y, 50	it, s	5	\	5-3'	11-	
<f, S" S-	"		,	53 -y'	12.	
tt:00				51./-/'	/ \$:-	
1:0s				S' -/-Z'	./li -	
'tJO				St/ -3'	Jo	
'1:IS-				5'-/ -' (: 'llJ.	
1-11.D				2wl	J1	
ci 1s-				5u/Z	1X	
Lf 2?>0				Sw3	19	
2:3s				SW'-\	70	

Additional Instructions:

$$i \# -z1\{4q' - 161$$

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 the day they are sampled or received packed in ice, at an avg temp above 0 but less than 6°C on subsequent days.

Required by (nature)

(1.,l'l',t. n--e

$$\% i!ft; /v$$

rrme

 $\{ \cdot | f \}$

$\{ \text{? ? ?} | J; a \text{ ? } 1 D_4, \dots, J \}$

Date _____

Time

Date *LB-/fo !JJ* Time *J,1:JD*

Received on item: ☐ Use Only: ☐

Released by: (S, i) 1-
MMJ 010 OP 1.1, v.

Date
(.p.

Time
1

1.00

$$\text{Rec}_{\mathcal{A}} \text{, ved}_{\mathcal{A}}(\text{Signature} \quad (7$$

Date _____
V- _____

Time
"IJ?"

11

T2

T3'

[illegible]

[illegible]

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:	06/19/23 08:00	Work Order ID:	E306145
Phone:	(575) 631-6977	Date Logged In:	06/19/23 09:01	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/23/23 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

Carrier: Courier

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

Comments/Resolution**Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
- II. 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?

Date/Time Collected?

Collectors name?

Yes

Yes No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?
22. Are sample(s) correctly preserved?
24. Is lab filtration required and/or requested for dissolved metals?

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

No NA

No

No NA

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?
27. If yes, does the COC specify which phase(s) is to be analyzed?

No

NA Subcontract Lab: na

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?
29. Was a subcontract laboratory specified by the client and if so who?

Client Instruction

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 167H

Work Order: E307147

Job Number: 01058-0007

Received: 7/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/28/23

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 TI04704557 for data reported.

Date Reported: 7/28/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit l67H
Workorder: E307147
Date Received: 7/27/2023 7:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/27/2023 7:10:00AM, under the Project Name: Cotton Draw Unit l67H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit l67H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1 Bottoms	5
CS2 Bottoms	6
CS3 Bottoms	7
CS4 Bottoms	8
CS5 Bottoms	9
CSW1	10
CSW2	11
CSW3	12
CSW4	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 167H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/23 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307147-01A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS2 Bottoms	E307147-02A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS3 Bottoms	E307147-03A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS4 Bottoms	E307147-04A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS5 Bottoms	E307147-05A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW1	E307147-06A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW2	E307147-07A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW3	E307147-08A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW4	E307147-09A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit l67H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/28/2023 1:19:18PM
---	---	---

CS1 Bottoms

E307147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2330066
Gasoline Range Organics (C6-Cl0)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.8 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2330067
Diesel Range Organics (Cl0-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>		90.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS2 Bottoms

E307147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.4 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2330067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>		96.6 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2330071	
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS3 Bottoms

E307147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		97.9 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS4 Bottoms

E307147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.5 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		96.3 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS5 Bottoms

E307147-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.5 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>		98.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW1

E307147-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		98.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW2

E307147-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW3

E307147-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.3 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		98.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW4

E307147-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.5 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		99.9 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2330066-BLK1)

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

LCS (2330066-BS1)

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	4.72	0.0250	5.00		94.4	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.3	70-130			
o-Xylene	4.78	0.0250	5.00		95.6	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike (2330066-MS1)

Source: E307147-02

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

Matrix Spike Dup (2330066-MSD1)

Source: E307147-02

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	4.95	0.0250	5.00	ND	98.9	54-133	1.06	20	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133	0.852	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	0.943	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	0.723	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.869	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.820	20	
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit I67H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/28/2023 1:19:18PM
---	---	----------------------------------

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2330066-BLK1)

Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-Cl0)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS (2330066-BS2)

Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-Cl0)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

Matrix Spike (2330066-MS2)

Source: E307147-02

Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-Cl0)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			

Matrix Spike Dup (2330066-MSD2)

Source: E307147-02

Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-Cl0)	44.8	20.0	50.0	ND	89.5	70-130	0.177	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2330067-BLK1)

Prepared: 07/27/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2330067-BS1)

Prepared: 07/27/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2330067-MS1)

Source: E307147-01

Prepared: 07/27/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			

Matrix Spike Dup (2330067-MSD1)

Source: E307147-01

Prepared: 07/27/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.317	20	
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit I67H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2330071-BLK1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Chloride	ND	20.0							
LCS (2330071-BS1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2330071-MS1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2330071-MSD1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Chloride	260	20.0	250	ND	104	80-120	0.322	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 167H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/23 13:19

- 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 _/ _ of _/ _

Client: El Paso County		Attention: KVIII		Lab Use Only		TAT				EPA Program					
Project: Govt.		Address: 5614 N. Lovington Hwy.		City, State, Zip: Hobbs NM 88240		Lab WO# E307147		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SOWA
Project Manager: Tom Bynum		Phone: 580-748-1613		Email: tom@pimaoil.com		Analysis and Method								RCRA	
Report due by:		Pima Project# Z03-Z												State	
														NM CO	
														UTI AZ I TX	
Time	Date	Matrix	No. of	Sample ID	Lab Number	Remarks									
5:00	17/11	5		C5	1	Bottom									
1:00	17/11			0 2	2	IYIS									
1:00	17/11			C5 J	3										
1:00	17/11			C5 L	4										
1:00	17/11			C5 s	5										
1:00	17/11			C5W1	6										
1:00	17/11			(C5W1	7										
1:00	17/11			C5W2)	8										
1:00	17/11			C5swY	9										

Additional Instructions:		Sampled by:		Received by: (Signature)		Date	Time	Packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.	
Relinquished by: (Signature)		Date		Received by: (Signature)		Date	Time	Lab Use Only	
Relinquished by: (Signature)		Date		Received by: (Signature)		Date	Time	Received on ice: Y / N	
Relinquished by: (Signature)		Date		Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received.	
Relinquished by: (Signature)		Date		Received by: (Signature)		Date	Time	T1 T2 T3	
Relinquished by: (Signature)		Date		Received by: (Signature)		Date	Time	AVG Temp °C 4	
Sample Matrix: S - Soil, Sd - Solid, Sx - Sludge, A - Aqueous, O - Other		Date		Received by: (Signature)		Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	

/.

OJ/t)

Sample Matrix: S - Soil, Sd - Solid, Sx - Sludge, A - Aqueous, O - Other

'-3 **envirotech**

Page 19 of 20

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/27/23 07:10	Work Order ID:	E307147
Phone:	(575) 631-6977	Date Logged In:	07/26/23 16:03	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/27/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| II. 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?	Signature of client authorizing changes to the COC or sample disposition.	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? | No |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

NA

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 |

No

Subcontract Lab: NA

Subcontract Laboratory

- | | |
|---|--|
| 28. Are samples required to get sent to a subcontract laboratory? | |
| 29. Was a subcontract laboratory specified by the client and if so who? | |

Client Instruction

Page 20 of 20

Date

envirotech Inc.



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

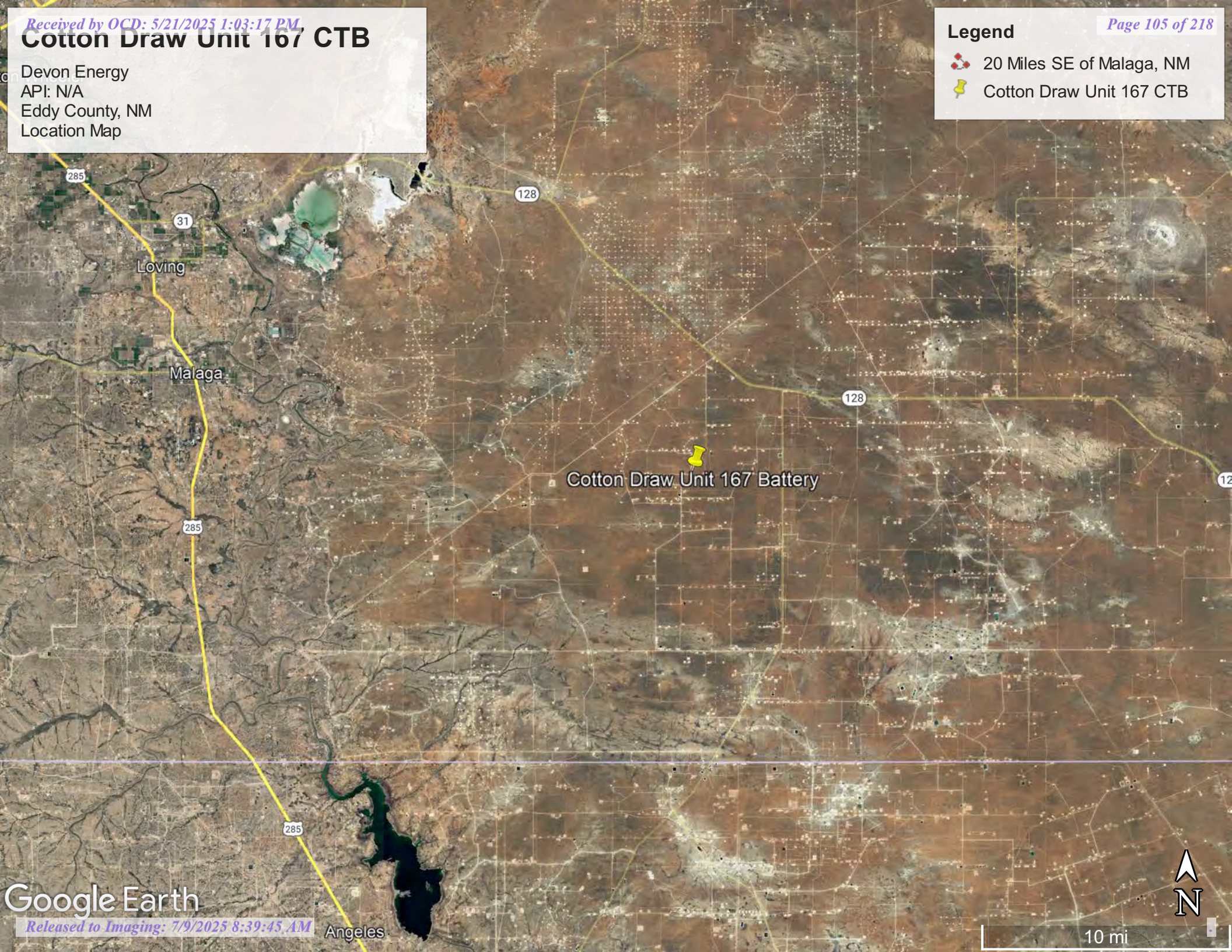
5-Confirmation Sample Map

Cotton Draw Unit 167 CTB

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

Legend


-  20 Miles SE of Malaga, NM
-  Cotton Draw Unit 167 CTB

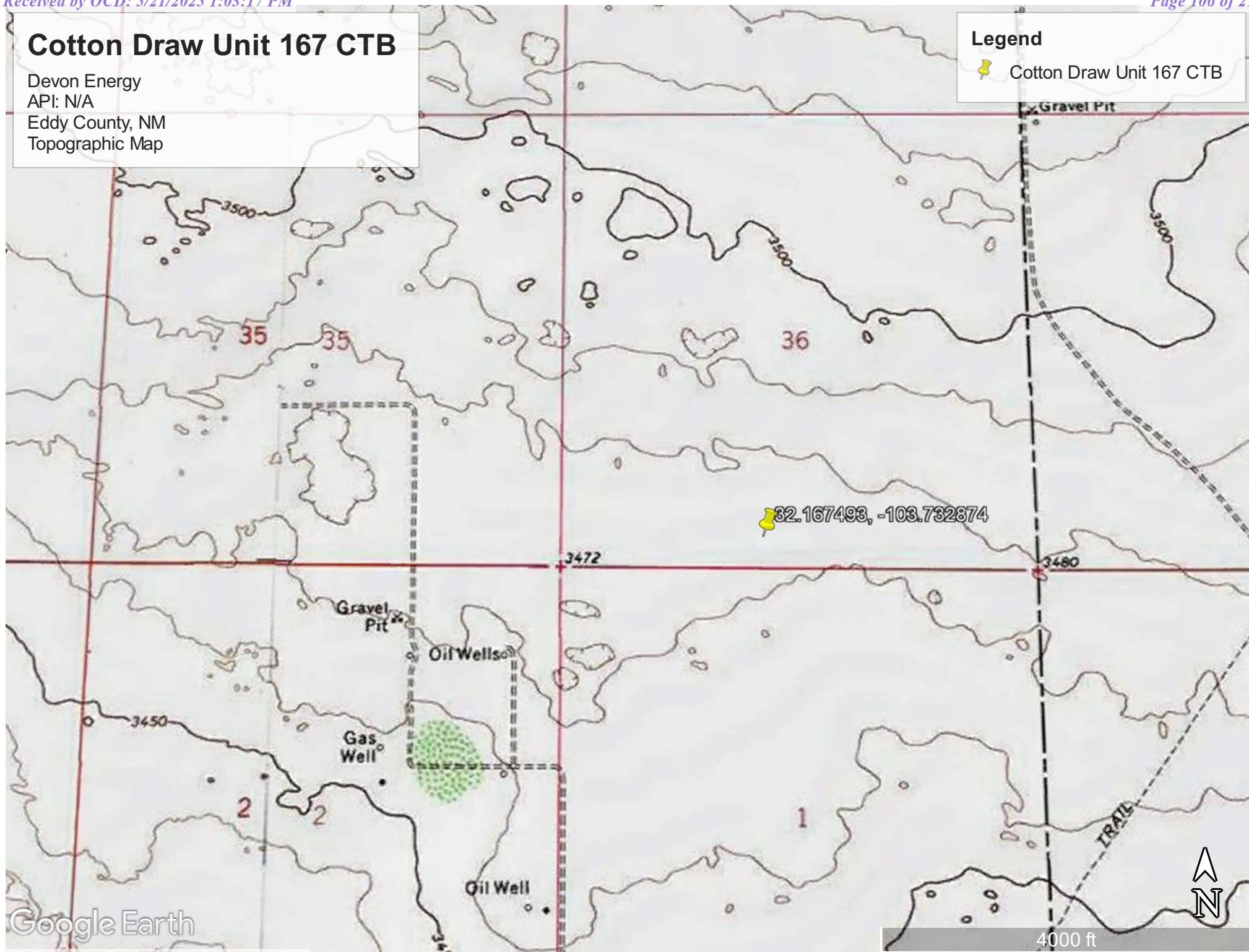


Cotton Draw Unit 167 CTB

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

Legend





 Cotton Draw Unit 167 CTB




Cotton Draw Unit 167 CTB

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

Legend

-  Cotton Draw Unit 167 CTB
-  High Karst
-  Low Karst
-  Medium Karst

 32.167493, -103.732874

Google Earth



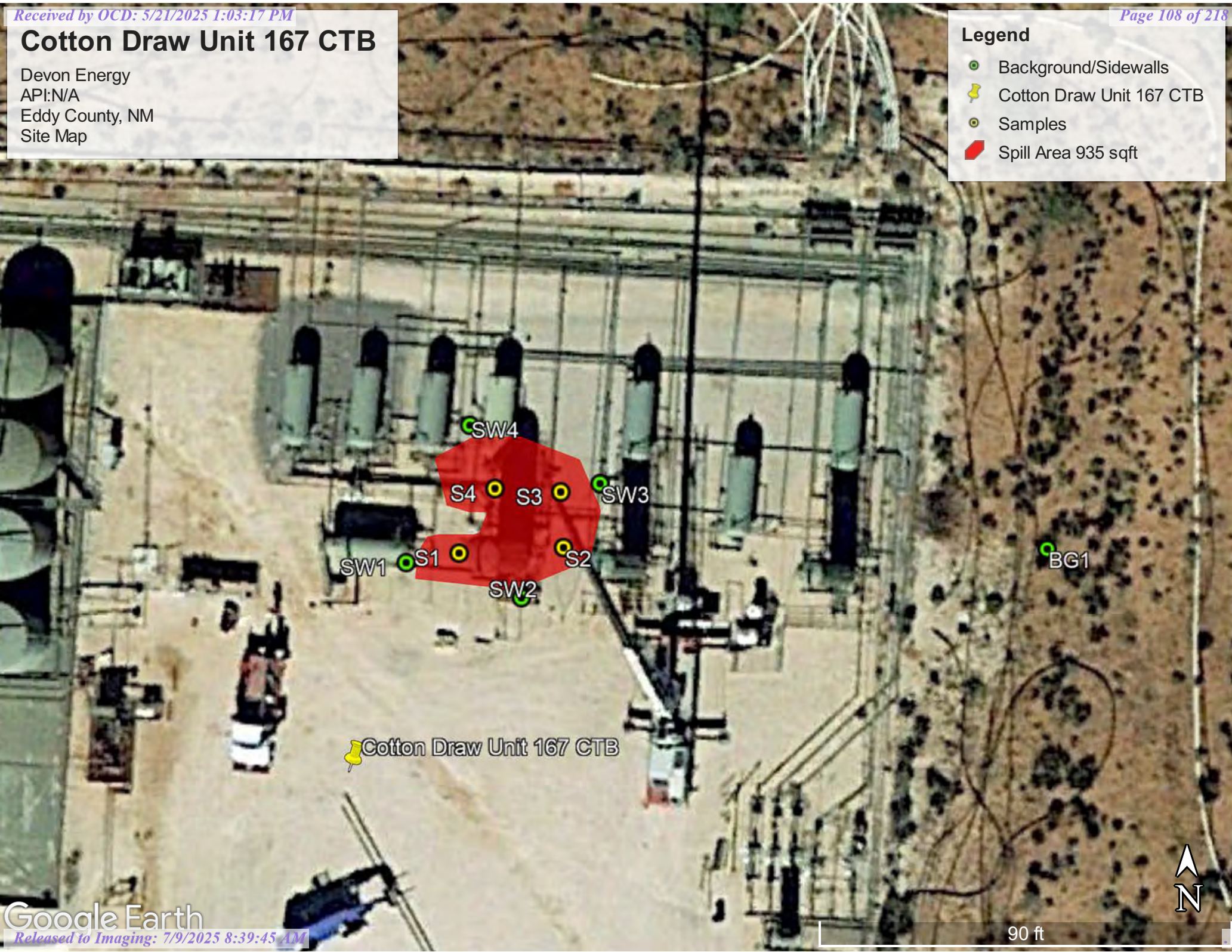
4 mi

Cotton Draw Unit 167 CTB

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

Legend



- Background/Sidewalls
- Cotton Draw Unit 167 CTB
- Samples
- Spill Area 935 sqft

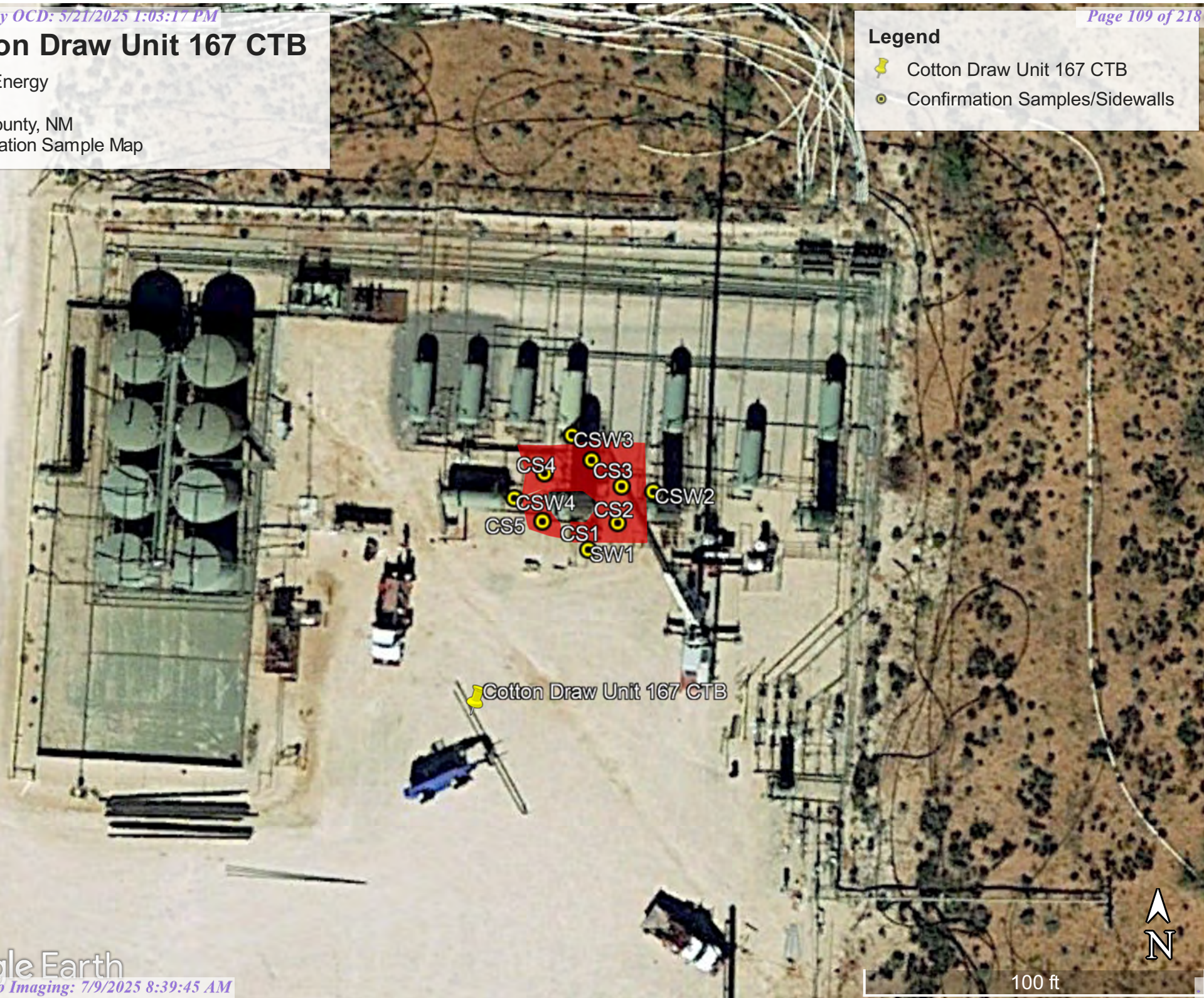


Cotton Draw Unit 167 CTB

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

Legend

-  Cotton Draw Unit 167 CTB
-  Confirmation Samples/Sidewalls





Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
C 02373		CUB	LE	4	1	32	24S	34E		641979	3560916*	2165		600		
C 03942 POD1		CUB	LE	3	1	2	35	24S	34E	647005	3561246	3289		420	222	198
C 03943 POD1		CUB	LE	2	4	2	21	24S	34E	644523	3564266	4282		610	431	179
C 02315		CUB	LE	2	4	2	15	25S	34E	646095	3556194	4386		175	135	40
C 02314		CUB	LE	2	4	2	15	25S	34E	646116	3556179	4410		175	135	40
C 02401		CUB	LE	2	2	1	01	25S	34E	648534	3559896*	4584		275	260	15
C 04042 POD1		CUB	LE	2	1	4	36	24S	34E	648539	3561545	4833				

Average Depth to Water: **236 feet**

Minimum Depth: **135 feet**

Maximum Depth: **431 feet**

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 643951.7

Northing (Y): 3560021.9

Radius: 5000

*UTM location was derived from PLSS - see Help

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

8/1/23 10:05 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater




Geographic Area:

United States



GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 320952103444401

Minimum number of levels = 1

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

USGS 320952103444401 25S.31E.02.214411

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

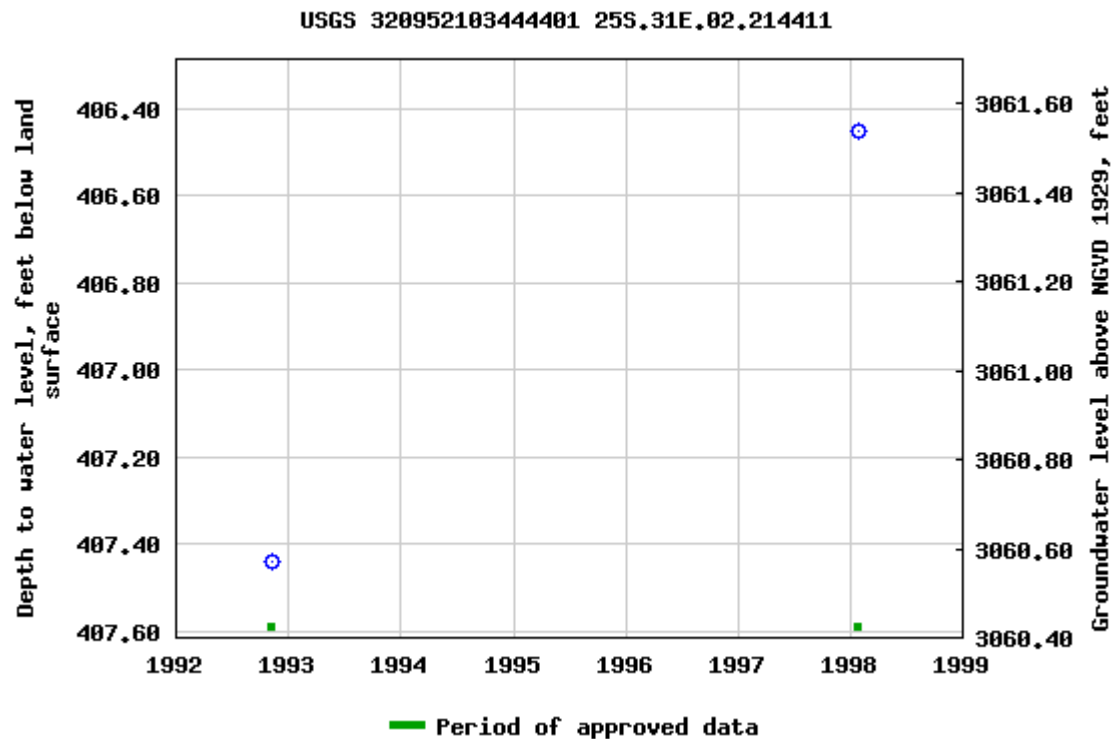
Latitude 32°09'50.0", Longitude 103°44'41.2" NAD83

Land-surface elevation 3,468.0 feet above NGVD29

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

This well is completed in the Azotea Tongue of Seven Rivers Formation (313AZOT) local aquifer.

Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)
[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[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: 2022-09-23 15:30:27 EDT

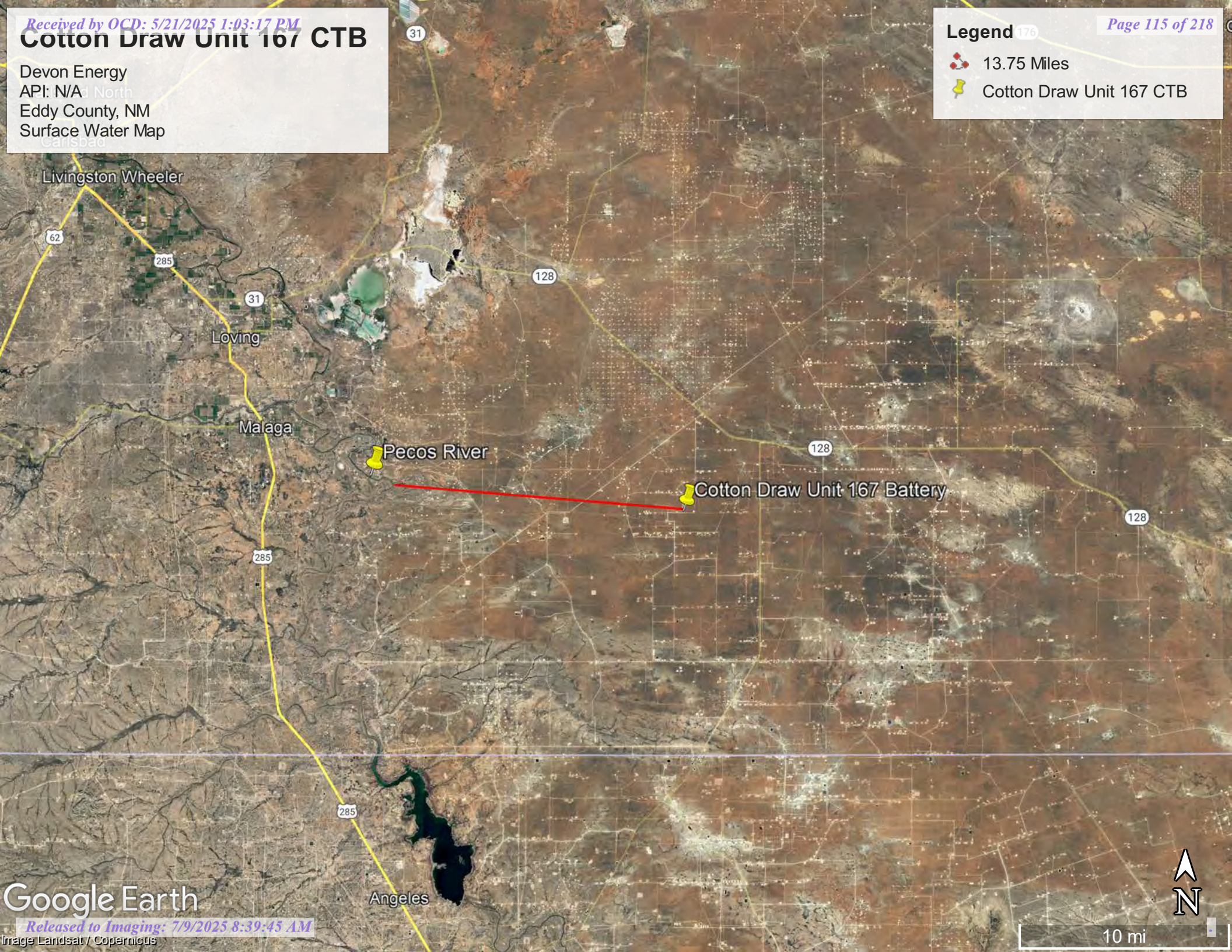
0.55 0.48 nadww01

Cotton Draw Unit 167 CTB

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

Legend

- 13.75 Miles
- Cotton Draw Unit 167 CTB





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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: R042XC003NM - 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: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent

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

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Kermit

Percent of map unit: 3 percent

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No

Data Source Information

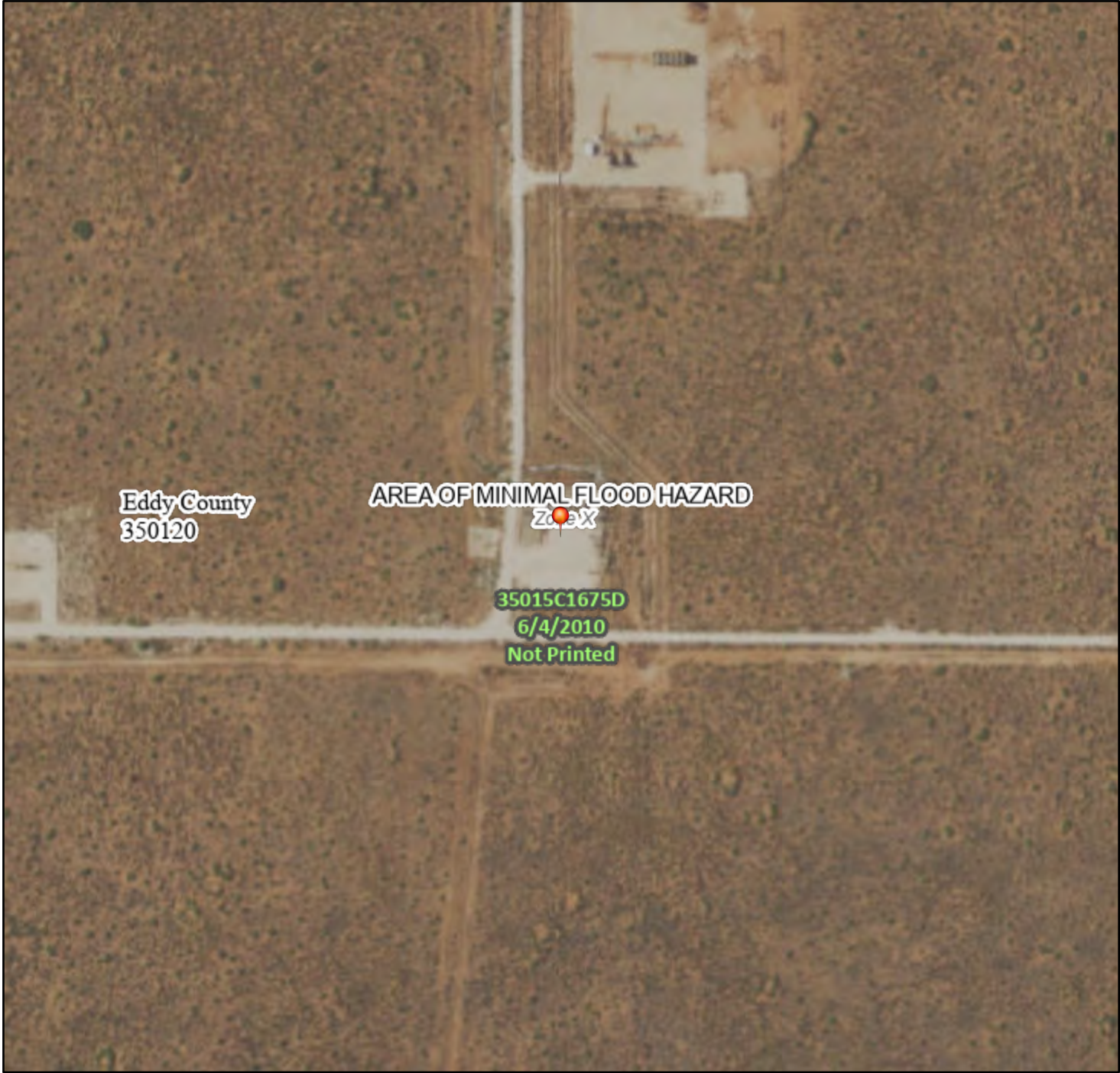
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMette



103°44'17"W 32°10'18"N



Legend

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

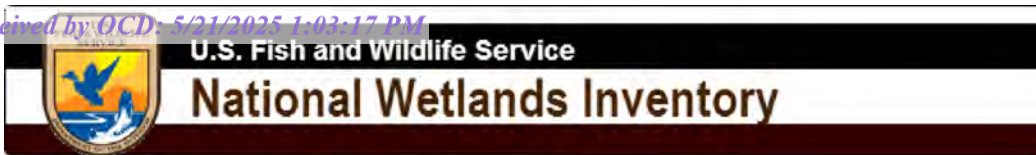
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of 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



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 9/23/2022 at 3:36 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



August 1, 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.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda Davis	Contact Telephone 575-748-0176
Contact email Amanda.Davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.167493 Longitude -103.732874
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cotton Draw Unit 167 CTB	Site Type Oil
Date Release Discovered 1/21/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	36	24S	31E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 11.9 BBLS	Volume Recovered (bbls) 10 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release The line to the heater treater developed a leak. All fluid stayed on location.

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra DeHoyos</u>	Title: <u>EHS Associate</u>
Signature: <u>Kendra DeHoyos</u>	Date: <u>2/3/2021</u>
email: <u>Kendra.DeHoyos@dvn.com</u>	Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/8/2021</u>

NAPP2103458288

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>142.401</u>	<u>0.010</u>
Cubic Feet of Soil Impacted	<u>0.119</u>
Barrels of Soil Impacted	<u>0.02</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>0.00</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.00
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>142.401</u>	<u>0.010</u>
Standing fluid	<u>0.021</u>
Total fluids spilled	0.025

Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>292.856</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>6.101</u>
Barrels of Soil Impacted	<u>1.09</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.16</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.16
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>292.856</u>	<u>0.250</u>
Standing fluid	<u>1.088</u>
Total fluids spilled	1.251

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	60
Width(Ft)	16
Depth(in.)	0.75
Total Capacity without tank displacements (bbls)	10.69
No. of 500 bbl Tanks In Standing Fluid	
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	16
Total Volume of standing fluid accounting for tank displacement.	10.69

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dm.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2103458288
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/2/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Cotton Draw Unit 167 Battery - 48 Hour Notification

1 message

sebastian@pimaoil.com <sebastian@pimaoil.com>

Fri, Jul 21, 2023 at 2:07 PM

To: ocdonline@state.nm.us

Cc: tom@pimaoil.com, Polly@pimaoil.com, Gio PimaOil <gio@pimaoil.com>

Good afternoon,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Cotton Draw Unit 167 Battery (NAPP2103458288), on Monday July 24, 2023. Pima personnel will be on location at 6 am. Thank you.

Respectfully,

Sebastian Orozco

Project Manager

5614 N Lovington Hwy,

Hobbs, NM 88240

Sebastian@pimaoil.com

619-721-4813 cell





Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT 167 BATTERY**

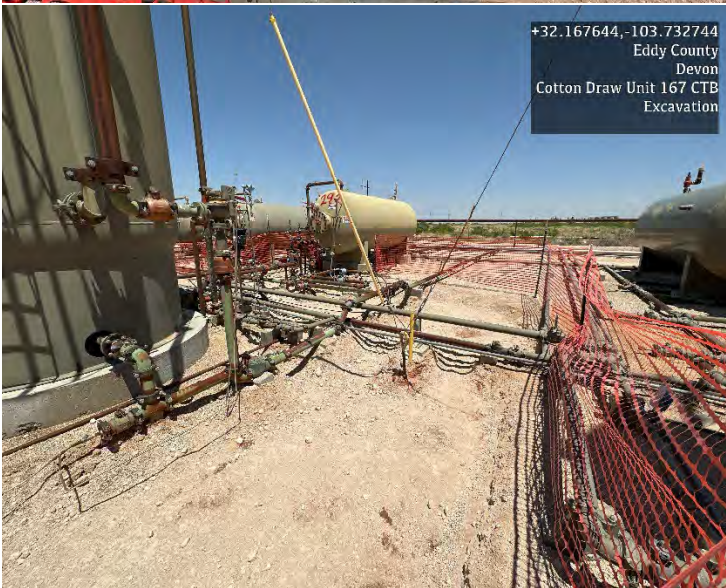
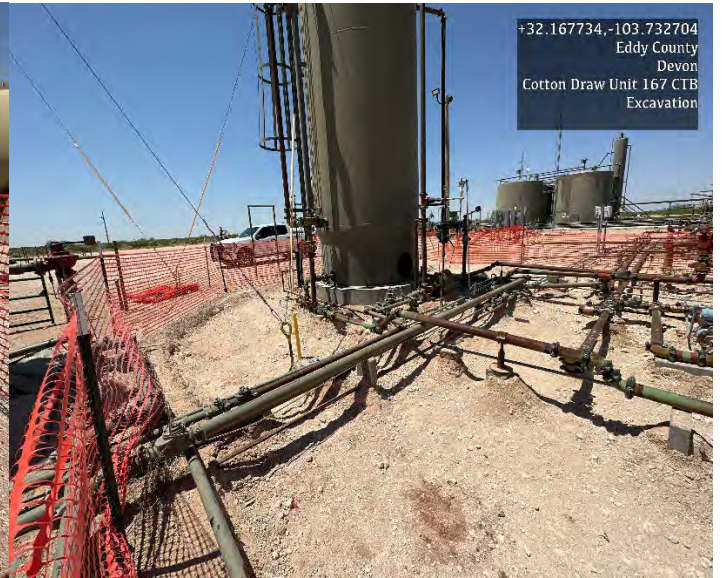
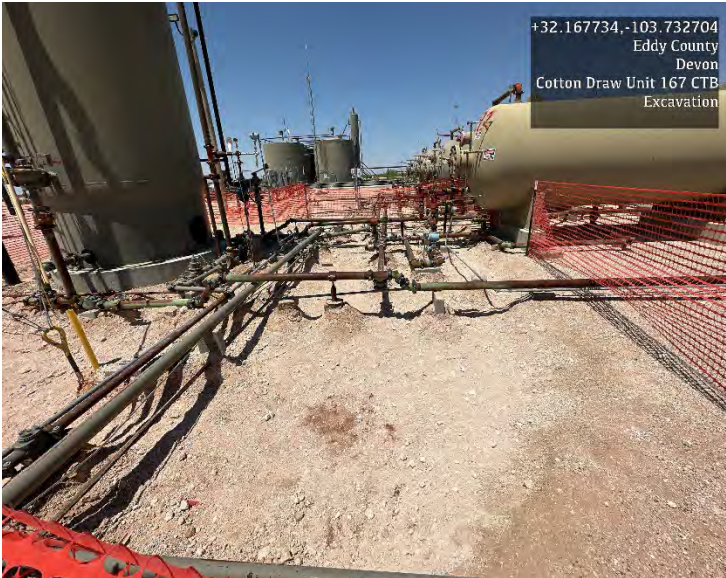
Site Assessment





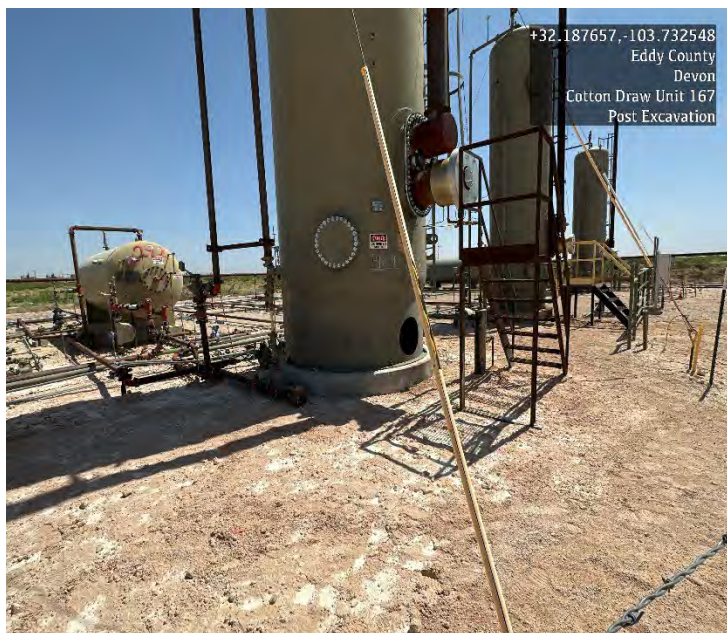
Excavation

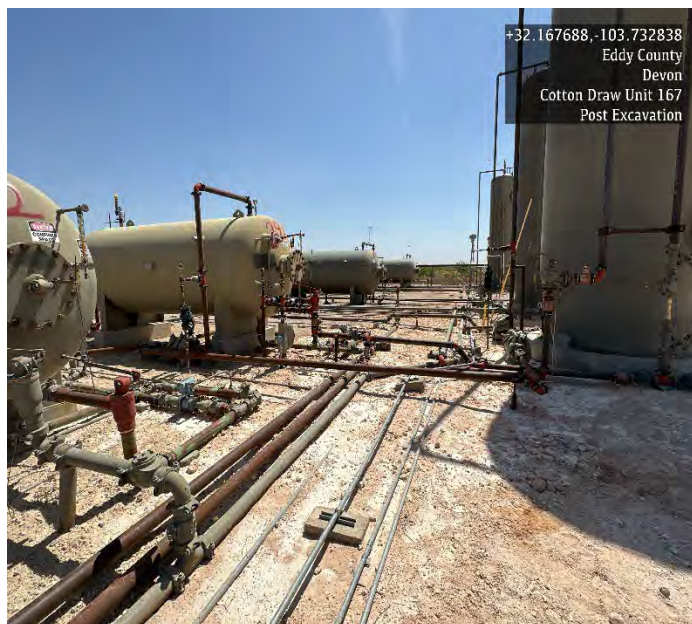






Post Excavation







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 167

Work Order: E306145

Job Number: 01058-0007

Received: 6/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/23/23

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: 6/23/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 167
Workorder: E306145
Date Received: 6/19/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/19/2023 8:00:00AM, under the Project Name: Cotton Draw Unit 167.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 167 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2'	11
S2 - 3'	12
S2 - 4'	13
S3 - 1'	14
S3 - 2'	15
S3 - 3'	16
S3 - 4'	17
S4 - 1'	18
S4 - 2'	19
S4 - 3'	20
S4 - 4'	21
SW1	22
SW2	23
SW3	24
SW4	25

Table of Contents (continued)

BG1	26
QC Summary Data	27
QC - Volatile Organics by EPA 8021B	27
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	35
Chain of Custody etc.	36

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported: 06/23/23 09:19
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306145-01A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 2'	E306145-02A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 3'	E306145-03A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S1 - 4'	E306145-04A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 1'	E306145-05A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 2'	E306145-06A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 3'	E306145-07A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S2 - 4'	E306145-08A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 1'	E306145-09A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 2'	E306145-10A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 3'	E306145-11A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S3 - 4'	E306145-12A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 1'	E306145-13A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 2'	E306145-14A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 3'	E306145-15A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
S4 - 4'	E306145-16A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW1	E306145-17A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW2	E306145-18A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW3	E306145-19A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
SW4	E306145-20A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.
BG1	E306145-21A	Soil	06/15/23	06/19/23	Glass Jar, 10 oz.



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 1'

E306145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2325024	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	80.4 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2325027	
Chloride	345	40.0	2	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 2'

E306145-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	79.5 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	82.4	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 3'

E306145-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	80.5 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	32.1	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S1 - 4'

E306145-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	450	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 1'

E306145-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	74.9 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	46.1	40.0	2	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 2'

E306145-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	77.2 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	60.2	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 3'

E306145-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2325024	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>	72.5 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2325027	
Chloride	25.5	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S2 - 4'

E306145-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	74.9 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	452	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 1'

E306145-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	72.8 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	1130	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 2'

E306145-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	66.6 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	20.1	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 3'

E306145-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	77.8 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	28.2	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S3 - 4'

E306145-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	469	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 1'

E306145-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.5 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2325024	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>	74.0 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2325027	
Chloride	1100	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 2'

E306145-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	76.3 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	ND	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 3'

E306145-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	82.0 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	35.6	20.0	1	06/20/23	06/20/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

S4 - 4'

E306145-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	66.1	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	81.9 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	490	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW1

E306145-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.6 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2325016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2325024	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>	92.5 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2325027	
Chloride	111	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW2

E306145-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	86.9 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	130	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW3

E306145-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	131	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

SW4

E306145-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	ND	0.0500	1	06/19/23	06/20/23	
Total Xylenes	ND	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325024
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/22/23	
<i>Surrogate: n-Nonane</i>						
	85.6 %	50-200		06/20/23	06/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325027
Chloride	178	20.0	1	06/20/23	06/21/23	



Sample Data

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

Project Name: Cotton Draw Unit 167
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/23/2023 9:19:07AM

BG1

E306145-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325010
Benzene	ND	0.0250	1	06/19/23	06/20/23	
Ethylbenzene	ND	0.0250	1	06/19/23	06/20/23	
Toluene	ND	0.0250	1	06/19/23	06/20/23	
o-Xylene	ND	0.0250	1	06/19/23	06/20/23	
p,m-Xylene	0.0557	0.0500	1	06/19/23	06/20/23	
Total Xylenes	0.0557	0.0250	1	06/19/23	06/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2325010
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/23	06/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.6 %	70-130		06/19/23	06/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/23	06/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/23	06/21/23	
<i>Surrogate: n-Nonane</i>						
	83.9 %	50-200		06/20/23	06/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325025
Chloride	163	20.0	1	06/20/23	06/20/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2325010-BLK1) Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			

LCS (2325010-BS1) Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.87	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike (2325010-MS1) Source: E306144-22 Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2325010-MSD1) Source: E306144-22 Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.63	0.0250	5.00	ND	92.7	54-133	0.465	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133	0.0647	20	
Toluene	4.91	0.0250	5.00	ND	98.3	61-130	0.185	20	
o-Xylene	4.98	0.0250	5.00	ND	99.6	63-131	0.321	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	0.0776	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	0.160	20	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2325016-BLK1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			

LCS (2325016-BS1)

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.84	0.0250	5.00		96.8	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2325016-MS1)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.59	0.0250	5.00	ND	91.9	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike Dup (2325016-MSD1)

Source: E306145-07

Prepared: 06/19/23 Analyzed: 06/20/23

Benzene	4.58	0.0250	5.00	ND	91.6	54-133	0.266	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.7	61-133	0.230	20	
Toluene	4.85	0.0250	5.00	ND	97.1	61-130	0.550	20	
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131	0.639	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.319	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	0.427	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported: 6/23/2023 9:19:07AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2325010-BLK1) Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

LCS (2325010-BS2) Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.3	70-130			

Matrix Spike (2325010-MS2) Source: E306144-22 Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

Matrix Spike Dup (2325010-MSD2) Source: E306144-22 Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.1	70-130	0.500	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported: 6/23/2023 9:19:07AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2325016-BLK1) Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

LCS (2325016-BS2) Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2325016-MS2) Source: E306145-07 Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

Matrix Spike Dup (2325016-MSD2) Source: E306145-07 Prepared: 06/19/23 Analyzed: 06/20/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130	1.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported: 6/23/2023 9:19:07AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2325022-BLK1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

LCS (2325022-BS1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike (2325022-MS1)					Source: E306121-04		Prepared: 06/20/23 Analyzed: 06/20/23		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	32.1		50.0		64.3	50-200			

Matrix Spike Dup (2325022-MSD1)					Source: E306121-04		Prepared: 06/20/23 Analyzed: 06/20/23		
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	1.51	20	
Surrogate: n-Nonane	38.9		50.0		77.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported: 6/23/2023 9:19:07AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2325024-BLK1)					Prepared: 06/20/23 Analyzed: 06/21/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

LCS (2325024-BS1)					Prepared: 06/20/23 Analyzed: 06/21/23				
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	37.9		50.0		75.9	50-200			

Matrix Spike (2325024-MS1)					Source: E306145-10		Prepared: 06/20/23 Analyzed: 06/21/23		
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	32.7		50.0		65.4	50-200			

Matrix Spike Dup (2325024-MSD1)					Source: E306145-10		Prepared: 06/20/23 Analyzed: 06/21/23		
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	0.509	20	
Surrogate: n-Nonane	32.1		50.0		64.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2325025-BLK1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	ND	20.0							
LCS (2325025-BS1)					Prepared: 06/20/23 Analyzed: 06/20/23				
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2325025-MS1)					Source: E306121-01		Prepared: 06/20/23 Analyzed: 06/21/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2325025-MSD1)					Source: E306121-01		Prepared: 06/20/23 Analyzed: 06/21/23		
Chloride	263	20.0	250	ND	105	80-120	0.880	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/23/2023 9:19:07AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2325027-BLK1)

Prepared: 06/20/23 Analyzed: 06/20/23

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2325027-BS1)

Prepared: 06/20/23 Analyzed: 06/20/23

Chloride	251	20.0	250		100	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

Matrix Spike (2325027-MS1)

Source: E306145-01

Prepared: 06/20/23 Analyzed: 06/20/23

Chloride	615	40.0	250	345	108	80-120			
----------	-----	------	-----	-----	-----	--------	--	--	--

Matrix Spike Dup (2325027-MSD1)

Source: E306145-01

Prepared: 06/20/23 Analyzed: 06/20/23

Chloride	614	40.0	250	345	108	80-120	0.127	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 167	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/23/23 09:19

- 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 3

Client: Pima Environmental Services Project: Cotton draw Unit 167 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: DeVan Address: City, State, Zip: Phone: Email: Pima Project # 203-2					Lab Use Only Lab WO# E 306145 Job Number 01058-0007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX					TAT 1D 2D 3D Standard Y				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X										
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
8:00	6/15	S	1	S1-1'	1															
8:05				S1-2'	2															
8:10				S1-3'	3															
8:15				S1-4'	4															
8:20				S2-1'	5															
8:25				S2-2'	6															
8:30				S2-3'	7															
8:35				S2-4'	8															
8:40				S3-1'	9															
8:45				S3-2'	10															
Additional Instructions: Billing # 2114945																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) <u>Marine Adame</u> Date <u>6/16/23</u> Time <u>1:30</u>										Received by: (Signature) <u>Michelle Gungels</u> Date <u>6-16-23</u> Time <u>1330</u>										
Relinquished by: (Signature) <u>Michelle Gungels</u> Date <u>6-16-23</u> Time <u>1700</u>										Received by: (Signature) <u>Andrew Musso</u> Date <u>6-16-23</u> Time <u>1700</u>										
Relinquished by: (Signature) <u>Andrew Musso</u> Date <u>6-16-23</u> Time <u>2300</u>										Received by: (Signature) <u>Cathy Mae</u> Date <u>6/19/23</u> Time <u>8:00</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: Cotton Draw Unit 167 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 # 203-2					Lab Use Only Lab WO# E 306145 Job Number 01058-0007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGD OC NM BGD OC TX					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGD OC NM	BGD OC TX	Remarks						
8:50	6/15	S	1	S3-3'	11							X								
8:55				S3-4'	12															
9:00				S4-1'	13															
9:05				S4-2'	14															
9:10				S4-3'	15															
9:15				S4-4'	16															
9:20				SW1	17															
9:25				SW2	18															
9:30				SW3	19															
9:35				SW4	20															
Additional Instructions: B# 21149451																				
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												
Karine Anne		6/16/23	1:30	Michelle Campbell		6-16-23	1:30													
Michelle Campbell		6-16-23	1700	Andrew Musso		6-16-23	1700	T1 T2 T3												
Andrew Musso		6-16-23	2300	Cathy Mann		6/19/23	8:00	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 Analytical Laboratory

Printed: 6/19/2023 10:14:57AM

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:	06/19/23 08:00	Work Order ID:	E306145
Phone:	(575) 631-6977	Date Logged In:	06/19/23 09:01	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/23/23 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: CourierSample 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 InstructionComments/Resolution

White out present on COC when received from client.

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 167H

Work Order: E307147

Job Number: 01058-0007

Received: 7/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/28/23

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: 7/28/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 167H
Workorder: E307147
Date Received: 7/27/2023 7:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/27/2023 7:10:00AM, under the Project Name: Cotton Draw Unit 167H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 167H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1 Bottoms	5
CS2 Bottoms	6
CS3 Bottoms	7
CS4 Bottoms	8
CS5 Bottoms	9
CSW1	10
CSW2	11
CSW3	12
CSW4	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 167H	Reported: 07/28/23 13:19
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307147-01A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS2 Bottoms	E307147-02A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS3 Bottoms	E307147-03A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS4 Bottoms	E307147-04A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CS5 Bottoms	E307147-05A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW1	E307147-06A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW2	E307147-07A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW3	E307147-08A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.
CSW4	E307147-09A	Soil	07/24/23	07/27/23	Glass Jar, 2 oz.

Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS1 Bottoms

E307147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.8 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
Surrogate: n-Nonane	90.8 %	50-200		07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330071	
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS2 Bottoms

E307147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.4 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		96.6 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS3 Bottoms

E307147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		97.9 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS4 Bottoms

E307147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2330066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.5 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2330067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2330071	
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CS5 Bottoms

E307147-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.5 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		98.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW1

E307147-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
		98.8 %	50-200	07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW2

E307147-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW3

E307147-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



Sample Data

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

Project Name: Cotton Draw Unit 167H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/28/2023 1:19:18PM

CSW4

E307147-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Benzene	ND	0.0250	1	07/27/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/27/23	07/27/23	
Toluene	ND	0.0250	1	07/27/23	07/27/23	
o-Xylene	ND	0.0250	1	07/27/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/27/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/27/23	07/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330066
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/23	07/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		07/27/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/23	07/27/23	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		07/27/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330071
Chloride	ND	20.0	1	07/27/23	07/27/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2330066-BLK1)

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

LCS (2330066-BS1)

Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	4.72	0.0250	5.00		94.4	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.3	70-130			
o-Xylene	4.78	0.0250	5.00		95.6	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike (2330066-MS1)

Source: E307147-02 Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	5.05	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

Matrix Spike Dup (2330066-MSD1)

Source: E307147-02 Prepared: 07/27/23 Analyzed: 07/27/23

Benzene	4.95	0.0250	5.00	ND	98.9	54-133	1.06	20	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133	0.852	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	0.943	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	0.723	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.869	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.820	20	
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167H	Reported: 7/28/2023 1:19:18PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2330066-BLK1) Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS (2330066-BS2) Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

Matrix Spike (2330066-MS2) Source: E307147-02 Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			

Matrix Spike Dup (2330066-MSD2) Source: E307147-02 Prepared: 07/27/23 Analyzed: 07/27/23

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.5	70-130	0.177	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2330067-BLK1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2330067-BS1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2330067-MS1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			

Matrix Spike Dup (2330067-MSD1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	0.317	20	
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2023 1:19:18PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2330071-BLK1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Chloride	ND	20.0							
LCS (2330071-BS1)					Prepared: 07/27/23 Analyzed: 07/27/23				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2330071-MS1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2330071-MSD1)					Source: E307147-01		Prepared: 07/27/23 Analyzed: 07/27/23		
Chloride	260	20.0	250	ND	104	80-120	0.322	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 167H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/23 13:19

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

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services Project: Cotton Draw Unit 167H 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 # 203-2					Lab Use Only Lab WO# E307147 Job Number 0158-007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
1:30	7/24	S	1	CS1	1															
1:35				CS2	2															
1:40				CS3	3															
1:45				CS4	4															
1:50				CS5	5															
1:55				CSW1	6															
2:00				CSW2	7															
2:05				CSW3	8															
2:10				CSW4	9															
Additional Instructions: Billing # 21149451																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <i>Verime Adams</i> Date <i>7/26/23</i> Time <i>3:00</i> Received by: (Signature) <i>Michelle Campbell</i> Date <i>7-26-23</i> Time <i>1500</i>																				
Relinquished by: (Signature) <i>Michelle Campbell</i> Date <i>7-26-23</i> Time <i>1715</i> Received by: (Signature) <i>Michelle Campbell</i> Date <i>7-26-23</i> Time <i>1715</i>																				
Relinquished by: (Signature) <i>Michelle Campbell</i> Date <i>7-26-23</i> Time <i>2345</i> Received by: (Signature) <i>Michelle Campbell</i> Date <i>7/27/23</i> Time <i>0710</i>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/27/2023 9:05:13AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/27/23 07:10	Work Order ID:	E307147
Phone:	(575) 631-6977	Date Logged In:	07/26/23 16:03	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/27/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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? 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:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 167 CTB

Work Order: E505050

Job Number: 01058-0007

Received: 5/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/12/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 167 CTB
Workorder: E505050
Date Received: 5/6/2025 8:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/6/2025 8:00:00AM, under the Project Name: Cotton Draw Unit 167 CTB.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 167 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

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
BACKFILL 1	5
BACKFILL 2	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	05/12/25 11:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BACKFILL 1	E505050-01A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.
BACKFILL 2	E505050-02A	Soil	05/02/25	05/06/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cotton Draw Unit 167 CTB
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
5/12/2025 11:00:19AM

BACKFILL 1

E505050-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519033	
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2519048	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	05/06/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2519078	
Chloride	ND	20.0	1	05/07/25	05/07/25	



Sample Data

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

Project Name: Cotton Draw Unit 167 CTB
Project Number: 01058-0007
Project Manager: Delrae Geller

Reported:
5/12/2025 11:00:19AM

BACKFILL 2

E505050-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Benzene	ND	0.0250	1	05/06/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/06/25	05/07/25	
Toluene	ND	0.0250	1	05/06/25	05/07/25	
o-Xylene	ND	0.0250	1	05/06/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/06/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/06/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519033
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/06/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		05/06/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519048
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		05/06/25	05/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2519078
Chloride	ND	20.0	1	05/07/25	05/07/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 167 CTB Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/12/2025 11:00:19AM
---	--	-----------------------------------

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2519033-BLK1)

Prepared: 05/06/25 Analyzed: 05/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	70-130			

LCS (2519033-BS1)

Prepared: 05/06/25 Analyzed: 05/06/25

Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.7	70-130			

Matrix Spike (2519033-MS1)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Benzene	5.43	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130			
Toluene	5.46	0.0250	5.00	ND	109	70-130			
o-Xylene	5.39	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2519033-MSD1)

Source: E505051-01

Prepared: 05/06/25 Analyzed: 05/07/25

Benzene	4.99	0.0250	5.00	ND	99.7	70-130	8.55	27	
Ethylbenzene	5.00	0.0250	5.00	ND	100	70-130	8.24	26	
Toluene	5.01	0.0250	5.00	ND	100	70-130	8.63	20	
o-Xylene	4.94	0.0250	5.00	ND	98.9	70-130	8.59	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	8.06	23	
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130	8.23	26	
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	5/12/2025 11:00:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2519033-BLK1) Prepared: 05/06/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2519033-BS2) Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			

Matrix Spike (2519033-MS2) Source: E505051-01 Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2519033-MSD2) Source: E505051-01 Prepared: 05/06/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	38.6	20.0	50.0	ND	77.2	70-130	13.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	5/12/2025 11:00:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2519048-BLK1)					Prepared: 05/06/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	61-141			

LCS (2519048-BS1)					Prepared: 05/06/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	283	25.0	250		113	66-144			
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Matrix Spike (2519048-MS1)					Source: E505049-01		Prepared: 05/06/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	51.8		50.0		104	61-141			

Matrix Spike Dup (2519048-MSD1)					Source: E505049-01		Prepared: 05/06/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156	4.04	20	
Surrogate: n-Nonane	53.9		50.0		108	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 167 CTB	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Delrae Geller	5/12/2025 11:00:19AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2519078-BLK1)					Prepared: 05/07/25 Analyzed: 05/07/25				
Chloride	ND	20.0							
LCS (2519078-BS1)					Prepared: 05/07/25 Analyzed: 05/07/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2519078-MS1)					Source: E505051-02		Prepared: 05/07/25 Analyzed: 05/07/25		
Chloride	761	100	250	483	112	80-120			
Matrix Spike Dup (2519078-MSD1)					Source: E505051-02		Prepared: 05/07/25 Analyzed: 05/07/25		
Chloride	759	100	250	483	111	80-120	0.268	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 167 CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	05/12/25 11:00

- 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.



ES05050CM

Client Information											
Company: Pima Environmental Services, LLC Project Name: Cotton Draw Unit 167 CTB Project Manager: Delrae Geller Address: 5614 North Lovington Hwy City, State, Zip: Hobbs, NM. 88240 Phone: (806) 724-5391 Email: Delrae@pimaoil.com											
Invoice Information											
Company: Devon Address: City, State, Zip: Phone: Email: Miscellaneous: PROJECT# 1-203-2											
Lab Use Only											
Lab WO# E-505849		Job Number 0058007		TAT 1D 2D 3D Std x							
Analysis and Method											
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	EPA Program SDWA CWA RCRA Compliance Y or N PWSID #		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	SAMPLE TEMP	REMARKS			
10:01	5/2/2025	S		BACKFILL 1		1	4.7				
10:10	5/2/2025	S		BACKFILL 2		2	4.0				
Additional Instructions: BILLING- 21149451											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											
Sampled by:											
Relinquished by: (Signature) Andrew Franco			Date 5/2/25	Time 1:17	Received by: (Signature) Karine Adams			Date 5/5/25	Time 9:50	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days. Lab Use Only Received on Ice: Y/N	
Relinquished by: (Signature) Karine Adams			Date 5/5/25	Time 10:00	Received by: (Signature) Michelle Gonzales			Date 5-5-25	Time 1000		
Relinquished by: (Signature) Michelle Gonzales			Date 5-5-25	Time 1430	Received by: (Signature) Miguel Gonzalez			Date 5-5-25	Time 1430		
Relinquished by: (Signature) Michelle Gonzales			Date 5-5-25	Time 1610	Received by: (Signature) John J.			Date 5-5-25	Time 1610		
Relinquished by: (Signature) John J.			Date 5.5.25	Time 2230	Received by: (Signature) Caitlin Mann			Date 5.10.25	Time 800		
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other											
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Notes: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 5/6/2025 9:09:11AM

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:	05/06/25 08:00	Work Order ID:	E505050
Phone:	(575) 631-6977	Date Logged In:	05/05/25 16:42	Logged In By:	Noe Soto
Email:		Due Date:	05/12/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

No. of containers and sampled by not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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 465862

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2103458288
Incident Name	NAPP2103458288 COTTON DRAW UNIT 167 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COTTON DRAW UNIT 167 CTB
Date Release Discovered	01/21/2021
Surface Owner	State

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

Nature and Volume of Release	
<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	Not answered.
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	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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 2

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 05/21/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	1130
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	66.1
GRO+DRO (EPA SW-846 Method 8015M)	66.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/19/2023
On what date will (or did) the final sampling or liner inspection occur	07/21/2023
On what date will (or was) the remediation complete(d)	07/21/2023
What is the estimated surface area (in square feet) that will be reclaimed	935
What is the estimated volume (in cubic yards) that will be reclaimed	28
What is the estimated surface area (in square feet) that will be remediated	935
What is the estimated volume (in cubic yards) that will be remediated	28

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

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

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 4

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	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.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/21/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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 5

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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 6

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	465870
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/21/2023
What was the (estimated) number of samples that were to be gathered	28
What was the sampling surface area in square feet	935

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	935
What was the total volume (cubic yards) remediated	28
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	935
What was the total volume (in cubic yards) reclaimed	28
Summarize any additional remediation activities not included by answers (above)	Remediated and reclaimed area. Chloride levels are less than 600 mg/kg and TPH is less than 100 mg/kg.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/21/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	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	935
What was the total volume of replacement material (in cubic yards) for this site	28
<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)	11/14/2045
Summarize any additional reclamation activities not included by answers (above)	Initial Sampling was completed; Excavated to 2", collected confirmation and backfill samples.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/21/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 8

Action 465862

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	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.	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 465862

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465862
	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 #NAPP2103458288 COTTON DRAW UNIT 167 CTB, thank you. This Reclamation Report is approved.	7/9/2025