Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

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

OCD Only

Received by: Robert Hamlet Date: 7/6/2023

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

Closure Approved by: Robert Hamlet Date: 7/6/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
District RP	
Facility ID	
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Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3-6-2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
District RP	
Facility ID	
Application ID	

Closure

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[x] Description of remediation activities

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Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

March 1, 2023

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

Bureau of Land Management
620 East Green Street
Carlsbad, NM 88220

Re: Site Assessment, Remediation, and Closure Report
Cotton Draw Unit 12 CTB 12
API No. N/A
GPS: Latitude 32.14057 Longitude -103.731645
UL- N, Section 12, Township 25S, Range 31E,
Eddy County, NM
NMOCD Reference No. NAPP2235917969

Pima Environmental Services, Devon Energy Production Company (Devon) have contracted LLC (Pima) to perform a spill assessment and remediation activities for a produced water release that occurred at the Cotton Draw Unit 12 CTB 12 (Cotton). An initial C-141 was submitted on January 17, 2023, and can be found in Appendix B. This incident was assigned Incident ID NAPP2235917969, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cotton is located approximately twenty-five (25) miles southeast of Loving, NM. This spill site is in Unit Letter N, Section 12, Township 25S, Range 31E, Latitude 32.14057 Longitude -103.731645, 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, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are 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 135 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 390 feet BGS. The closest waterway is the Red Bluff Reservoir located approximately 16.61 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' 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

NAPP2235917969: On December 24, 2022. Flowback personnel reported a leak of the 545H 3-phase bypass line near the inlet. Approximately 9. barrels (bbls) of produced water were released from 3-phase line bypass. Vacuum truck was able to recover approximately 9 bbls of standing fluid.

Site Assessment and Soil Sampling Results

On January 18, 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.

1-18-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <100')								
DEVON ENERGY - COTTON DRAW UNIT 12 CTB 12								
Sample Date: 1/18/2023		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
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND
SW-1	6"	ND	ND	ND	ND	ND	0	ND
SW-2	6"	ND	ND	ND	ND	ND	0	ND
SW-3	6"	ND	ND	ND	ND	ND	0	ND
SW-4	6"	ND	ND	ND	ND	ND	0	ND
S-1	1'	ND	ND	ND	ND	ND	0	53.8
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	227
	2'	ND	ND	ND	ND	ND	0	72.8
	3'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	29.5
	3'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Remediation Activities

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, Devon Construction Department mobilized personnel and equipment to conduct a scrape to remove surface staining. No further remediation activities are required at this time. The contaminated surface soil was hauled to an approved, lined disposal facility.

Closure Request

After careful review, Pima requests that this incident, NAPP2235917969, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

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

Pima Environmental Services

Figures:

1-Location Map

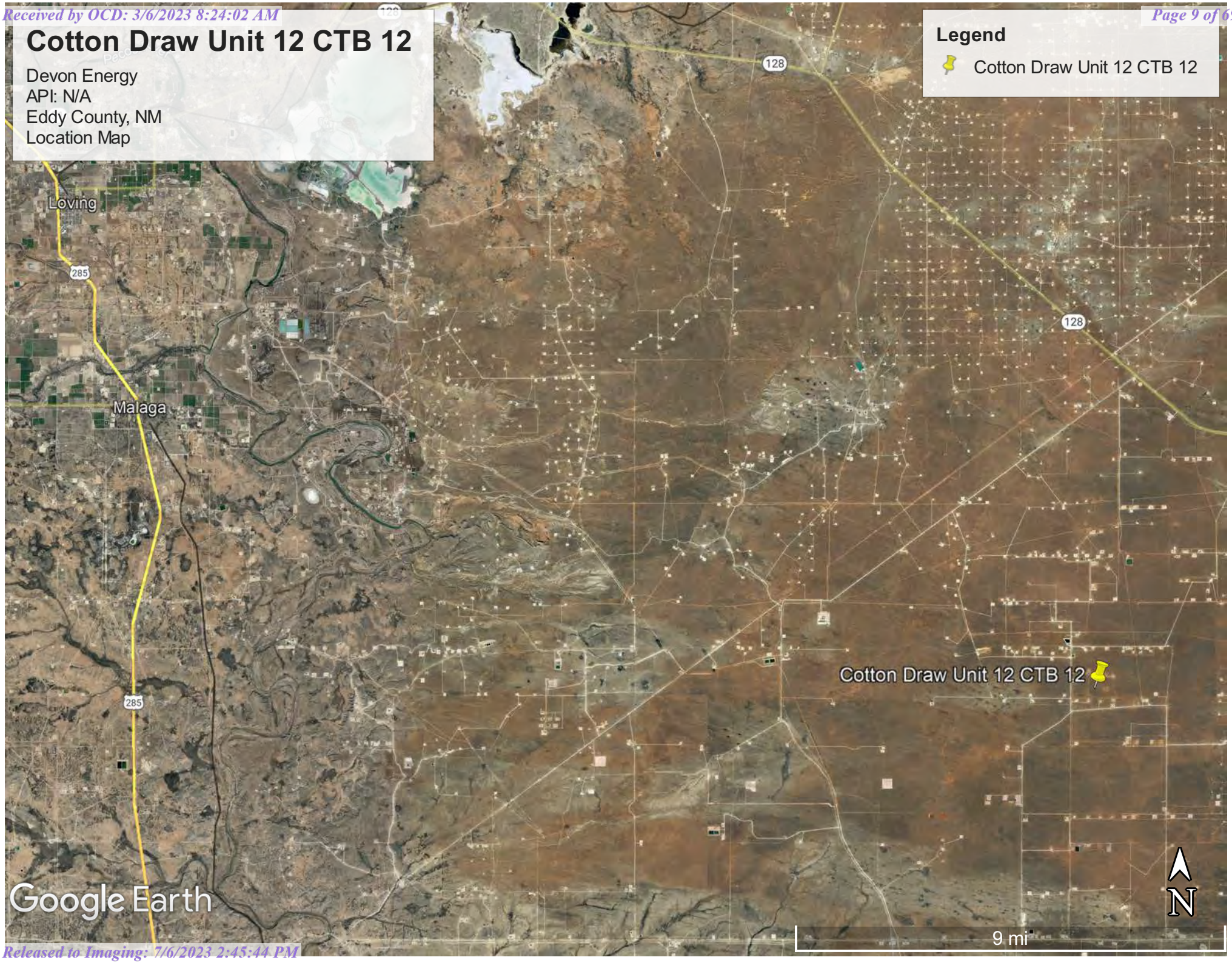
2-Topographic Map

3-Karst Map

4-Site Map

Cotton Draw Unit 12 CTB 12

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

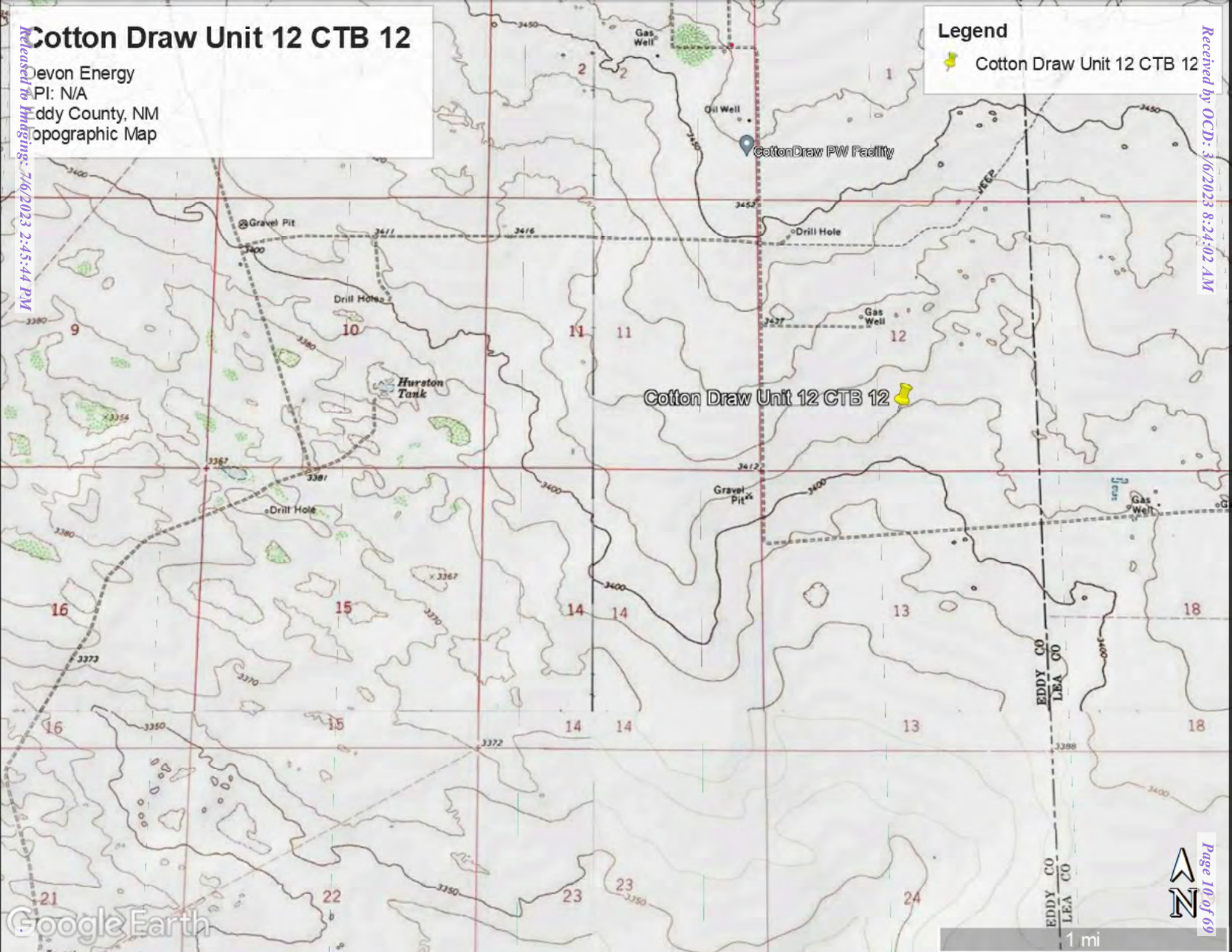


Cotton Draw Unit 12 CTB 12

evon Energy
PI: N/A
ddy County, NM
opographic Map

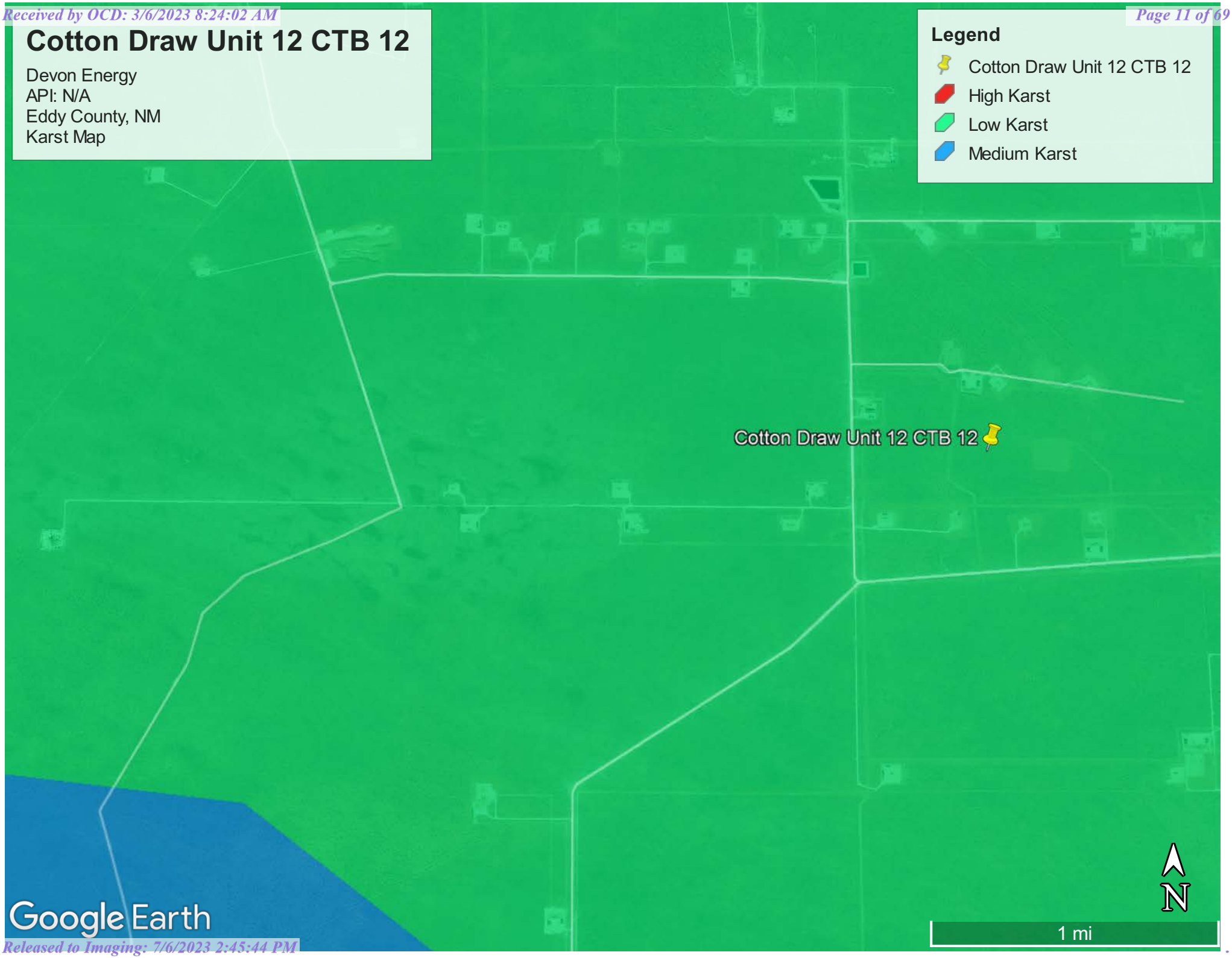
Legend

Cotton Draw Unit 12 CTB 12



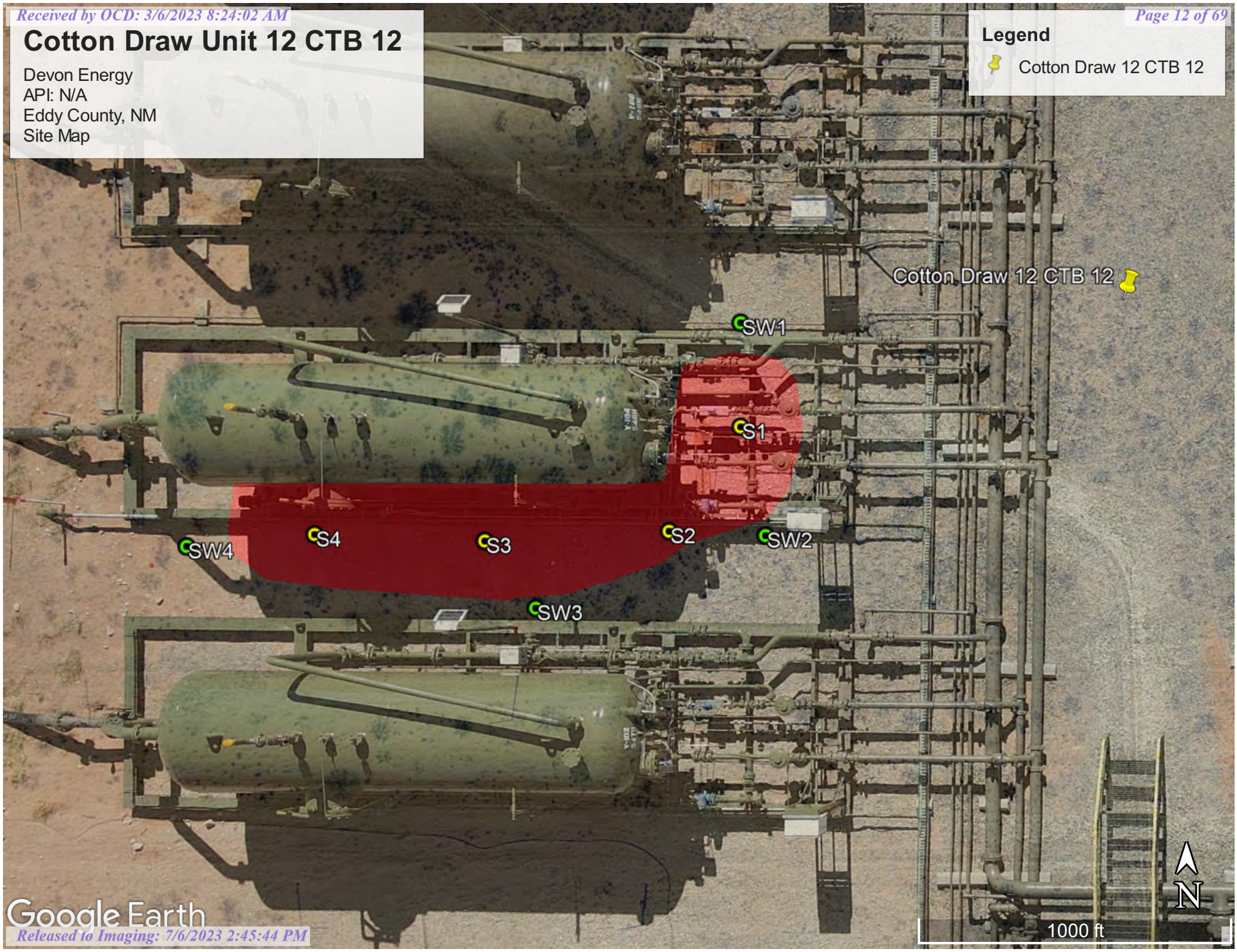
Cotton Draw Unit 12 CTB 12

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



Cotton Draw Unit 12 CTB 12

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



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	Water Column
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E	619958	3558078	1397	55		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	1978	450		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	1993	895		
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	2232	1025		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	2235	55		
C 04618 POD1		CUB	LE	3	4	3	18	25S	32E	621041	3554886	2316	55		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	2359	1016		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	2623			
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	2736	852		
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	2897	860		
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	3084	55		
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	3168			
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674	4016	55		
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E	619764	3561226	4508	55		
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E	619200	3561279	4578			
C 04643 POD1		C	ED	4	2	2	05	23S	27E	619200	3561279	4578	305	135	170
C 04619 POD1		CUB	ED	2	1	2	27	25S	31E	616750	3552958	4735	55		
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170	4976			

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

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 619624.91 **Northing (Y):** 3556720.87 **Radius:** 5000

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

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320932103443801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

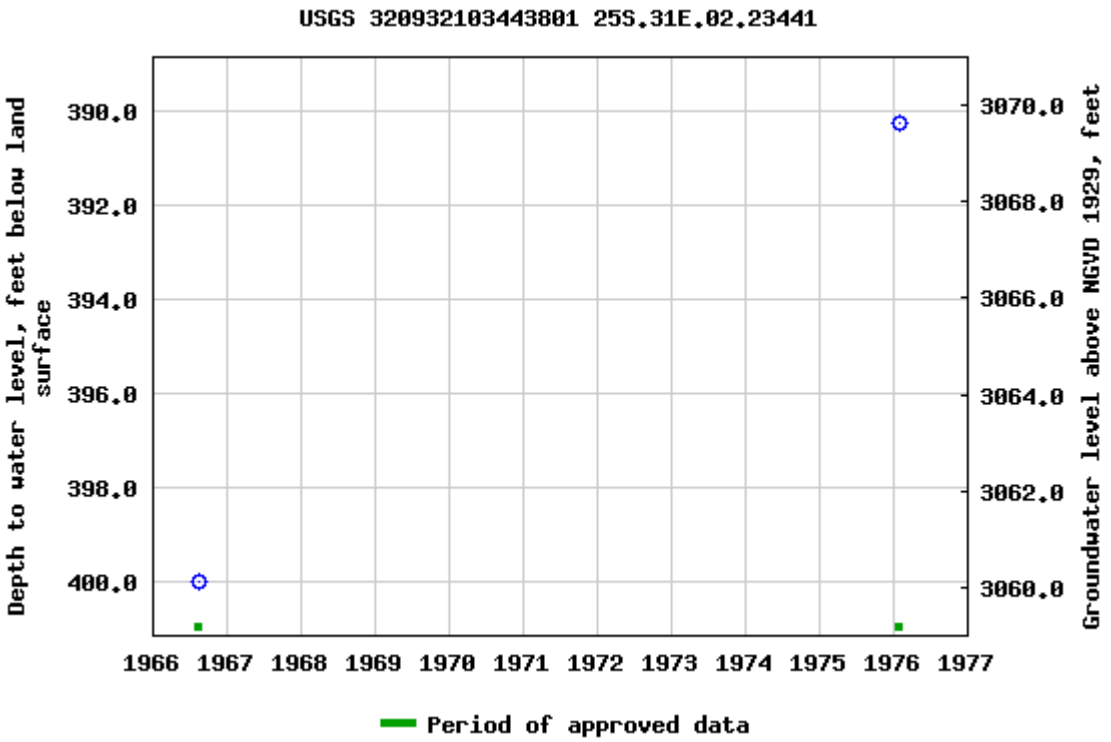
USGS 320932103443801 25S.31E.02.23441

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

Eddy County, New Mexico
Hydrologic Unit Code 13070001
Latitude 32°09'37.4", Longitude 103°44'29.6" NAD83
Land-surface elevation 3,460.00 feet above NGVD29
The depth of the well is 1,016 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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

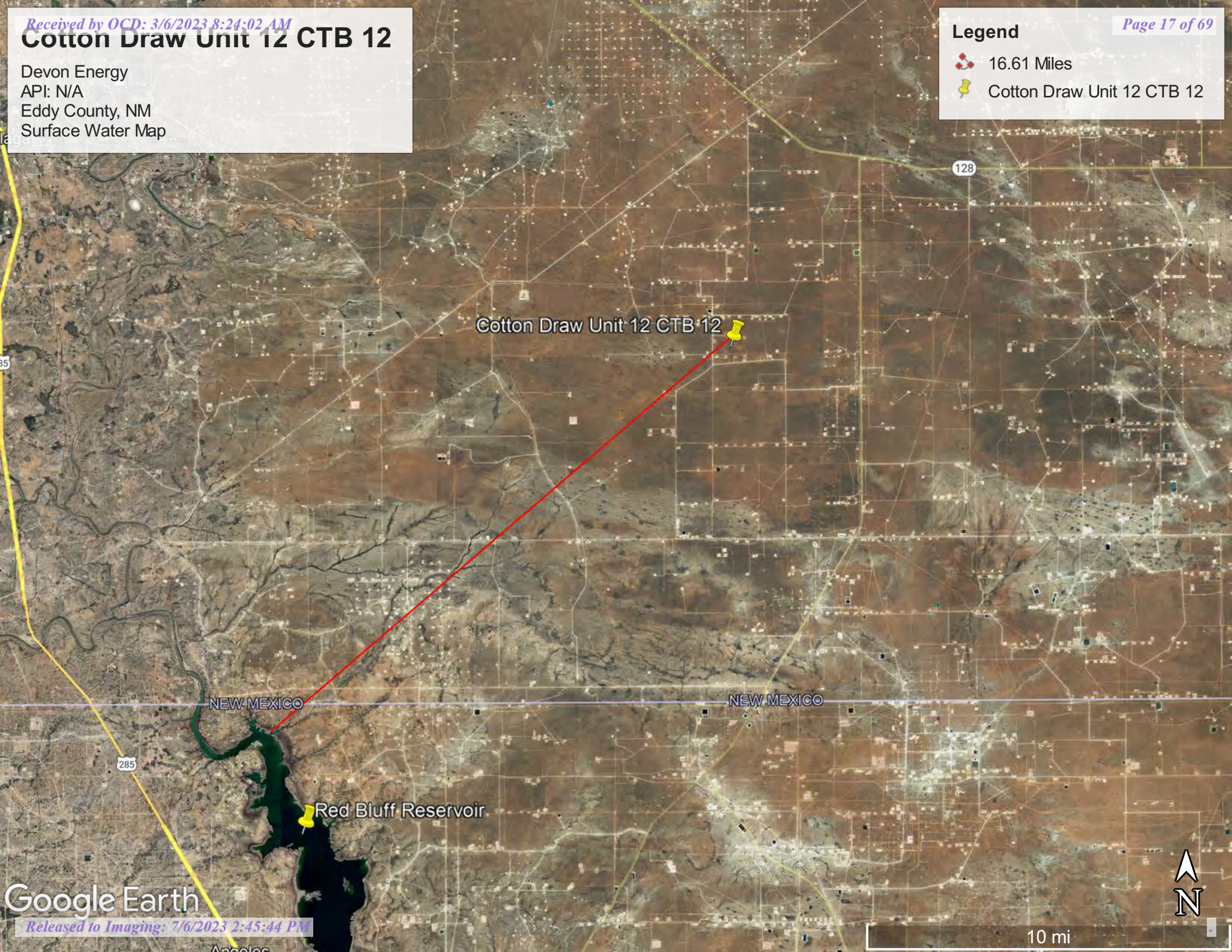
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-01-12 10:40:36 EST
0.78 0.69 nadww01

Cotton Draw Unit 12 CTB 12

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



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

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

Description of Pajarito

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Pajarito

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

Wink

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

Cacique

Percent of map unit: 4 percent

Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette

FEMA

103°44'13"W 32°8'41"N

103°43'35"W 32°8'11"N

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

1:6,000

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

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/12/2023 at 10:45 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

January 12, 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	nAPP2235917969
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # *(assigned by OCD)* nAPP2235917969
Contact mailing address 205 E. Bender Road # 150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.14057 Longitude -103.731645
(NAD 83 in decimal degrees to 5 decimal places)

Site Name COTTON DRAW UNIT 12 CTB 12	Site Type CONTAINMENT TANK BATTERY
Date Release Discovered 12/24/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	12	25S	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 9	Volume Recovered (bbls) 9
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Flowbacks reported a leak off of the 545H 3-phase bypass line near inlet. They shut in well and lead op responded. They were able to help contain the leak until a vac truck responded to drain vessel of remaining fluid and pick up fluid on the ground. Spill report total was 9.025 BBL. Spill did reach the pad. Spill did not go offsite.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 1/17/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 01/17/2023

COTTON DRAW UNIT 12 CTB 12

OCD incident # nAPP2235917969

12/24/2022

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
528.3	1.000
Cubic Feet of Soil Impacted	44.025
Barrels of Soil Impacted	7.85
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	1.18
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	0.59
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
528.3	1.000
Standing fluid	7.848
Total fluids spilled	**9.025**

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

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 176628
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/17/2023

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2235917969
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3-6-2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2235917969
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

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: _____

From: tom@pimaoil.com
To: "Gio PimaOil"; ocdonline@state.nm.us
Subject: RE: Cottton Draw Unit 12 CTB 12 Liner Inspection
Date: Tuesday, January 17, 2023 9:09:58 AM

Good morning,
Our apologies but we need to make a correction on the below notification. This notification ONLY pertains to Incident ID **NAPP2235917969.** Thank you for your understanding, have a great day!

THANK YOU,

Tom Bynum
Cell – 580-748-1613
Office – 575-964-7740

Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: Gio PimaOil <gio@pimaoil.com>
Sent: Tuesday, January 10, 2023 10:39 AM
To: ocdonline@state.nm.us; Tom Pima Oil <tom@pimaoil.com>
Subject: Cottton Draw Unit 12 CTB 12 Liner Inspection

Good Morning,
Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Cotton Draw Unit 12 CTB 12 for incident ~~nAPP2232225056~~ & nAPP2235917969 . Pima personnel are scheduled to be on site for this Inspection event at approximately 8:00 a.m. On Friday, January 13, 2023. If you have any questions or concerns, please let me know. Thank you

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

Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT 12 CTB 12

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 12 Unit 12
Work Order:	E301110
Job Number:	01058-0007
Received:	1/20/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/24/23

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

Date Reported: 1/24/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw 12 Unit 12
Workorder: E301110
Date Received: 1/20/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/20/2023 7:00:00AM, under the Project Name: Cotton Draw 12 Unit 12.

The analytical test results summarized in this report with the Project Name: Cotton Draw 12 Unit 12 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/23 12:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG-1	E301110-01A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
BG-2	E301110-02A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
SW-1	E301110-03A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
SW-2	E301110-04A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
SW-3	E301110-05A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
SW-4	E301110-06A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-1 1'	E301110-07A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-1 2'	E301110-08A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-1 3'	E301110-09A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-2 1'	E301110-10A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-2 2'	E301110-11A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-2 3'	E301110-12A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-3 1'	E301110-13A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-3 2'	E301110-14A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-3 3'	E301110-15A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-4 1'	E301110-16A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-4 2'	E301110-17A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
S-4 3'	E301110-18A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

BG-1

E301110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.0 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.0 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

BG-2

E301110-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.9 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.9 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

SW-1

E301110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

SW-2

E301110-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.5 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.5 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

SW-3

E301110-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.6 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.6 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

SW-4

E301110-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-1 1'

E301110-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*94.0 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*94.0 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	**53.8**	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-1 2'

E301110-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-1 3'

E301110-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-2 1'

E301110-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/23/23	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*01/20/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	**227**	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-2 2'

E301110-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*91.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	**73.8**	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-2 3'

E301110-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-3 1'

E301110-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.5 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.5 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-3 2'

E301110-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*93.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	**29.5**	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-3 3'

E301110-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.2 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-4 1'

E301110-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.1 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-4 2'

E301110-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

S-4 3'

E301110-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.7 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2303071
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*70-130*	*01/20/23*	*01/20/23*	
Surrogate: Toluene-d8		*92.7 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2303063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/21/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/20/23*	*01/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303077
Chloride	ND	20.0	1	01/20/23	01/20/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303071-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
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: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: Toluene-d8	*0.459*		*0.500*		*91.7*	*70-130*			
LCS (2303071-BS1)									Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	3.14	0.0250	2.50		126	70-130			
Ethylbenzene	2.86	0.0250	2.50		115	70-130			
Toluene	2.89	0.0250	2.50		115	70-130			
o-Xylene	2.97	0.0250	2.50		119	70-130			
p,m-Xylene	5.91	0.0500	5.00		118	70-130			
Total Xylenes	8.88	0.0250	7.50		118	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: Toluene-d8	*0.460*		*0.500*		*91.9*	*70-130*			
Matrix Spike (2303071-MS1)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	2.78	0.0250	2.50	ND	111	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135			
Toluene	2.56	0.0250	2.50	ND	103	48-130			
o-Xylene	2.64	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.27	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.91	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.576*		*0.500*		*115*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.4*	*70-130*			
Matrix Spike Dup (2303071-MSD1)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	2.74	0.0250	2.50	ND	109	48-131	1.61	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	1.69	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	1.65	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	0.550	27	
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135	1.11	27	
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135	0.921	27	
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.564*		*0.500*		*113*	*70-130*			
Surrogate: Toluene-d8	*0.461*		*0.500*		*92.2*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303071-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: Toluene-d8	*0.459*		*0.500*		*91.7*	*70-130*			
LCS (2303071-BS2)									Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*93.0*	*70-130*			
Matrix Spike (2303071-MS2)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.576*		*0.500*		*115*	*70-130*			
Surrogate: Toluene-d8	*0.464*		*0.500*		*92.7*	*70-130*			
Matrix Spike Dup (2303071-MSD2)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	3.35	20	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.558*		*0.500*		*112*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*93.0*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303063-BLK1)									Prepared: 01/20/23 Analyzed: 01/21/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
LCS (2303063-BS1)									Prepared: 01/20/23 Analyzed: 01/21/23
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike (2303063-MS1)				**Source: E301110-18**					Prepared: 01/20/23 Analyzed: 01/21/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			
Matrix Spike Dup (2303063-MSD1)				**Source: E301110-18**					Prepared: 01/20/23 Analyzed: 01/21/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	0.0582	20	
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 12 Unit 12	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/24/2023 12:05:27PM

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 (2303077-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
Chloride	ND	20.0							
LCS (2303077-BS1)									Prepared: 01/20/23 Analyzed: 01/20/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2303077-MS1)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Chloride	257	40.0	250	ND	103	80-120			
Matrix Spike Dup (2303077-MSD1)				**Source: E301109-01**					Prepared: 01/20/23 Analyzed: 01/20/23
Chloride	259	40.0	250	ND	104	80-120	0.755	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 12 Unit 12	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/24/23 12:05

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

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	Bill To
Project: Cotton Draw 12 unit 12	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 228-1
Report due by:	

Lab Use Only: Lab WO# E301110 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	1/18/23	S	1	BG-1	1	X	
8:05				BG-2	2		
8:10				SW-1	3		
8:15				SW-2	4		
8:20				SW-3	5		
8:25				SW-4	6		
8:30				S-1	7		
8:35				S-1	8		
8:40				S-1	9		
8:45				S-2	10		

Additional Instructions: Bill To Devon Energy: # 21111670

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ned Rogers	1/19/23	2:00 P	Yaridell Cuyala	1-19-23	1400
Lorenzo Lopez	1-19-23	1730	Yaridell Cuyala	1-19-23	1715
Lorenzo Lopez	1-19-23	2300	Cathy Chat	1/20/23	7:00

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To
Project: Cotton Draw 12 unit 12	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 228-1
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E301110	01058-0007				X		RCRA

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	1/18/23	S	1	S-2	11							X		
8:55				S-2	12									
9:00				S-3	13									
9:05				S-3	14									
9:10				S-3	15									
9:15				S-4	16									
9:20				S-4	17									
9:25				S-4	18									

Additional Instructions: Bill To Devon Energy: # 21111670

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ned Rogers	1/19/23	2:00 P		1-19-23	1400
	1-19-23	1730		1-19-23	1715
	1-19-23	2302		1/20/23	7:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 1/20/2023 9:58:13AM

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:	01/20/23 07:00	Work Order ID:	E301110
Phone:	(575) 631-6977	Date Logged In:	01/19/23 16:04	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	01/26/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Sample names on COC did not match containers. Spoke with client and corrected COC to match containers.

Client Instruction

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

Date

envirotech Inc.

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	Bill To
Project: Cotton Draw 12 unit 12	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 228-1
Report due by:	

Lab Use Only: Lab WO# E361110 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
8:00	1/18/23	S	1	BG-1	1	
8:05				BG-2	2	
8:10				SW-1	3	
8:15				SW-2	4	
8:20				SW-3	5	
8:25				SW-4	6	
8:30				S-1 1'	7	
8:35				S-1 2'	8	
8:40				S-1 3'	9	
8:45				S-2 1'	10	

Additional Instructions: Bill To Devon Energy: # 21111670

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ned Kolers	1/19/23	2:00 P	Michelle Gugala	1-19-23	1400
Lorenzo Lopez	1-19-23	1730	Maddy Gutierrez	1-19-23	1715
Lorenzo Lopez	1-19-23	2300	Cathy Chi	1/20/23	7:00

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To
Project: Cotton Draw 12 unit 12	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 228-1
Report due by:	

Lab Use Only: Lab WO# E301110 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:50	1/18/23	S	1	S-2 2'	11	X	
8:55				S-2 3'	12		
9:00				S-3 1'	13		
9:05				S-3 2'	14		
9:10				S-3 3'	15		
9:15				S-4 1'	16		
9:20				S-4 2'	17		
9:25				S-4 3'	18		
				Sample names on COC did not match jars. Corrected on COC per Client.			

Additional Instructions: Bill To Devon Energy: # 21111670 11/20/23 CC

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ted Rees	1/19/23	2:00 P	Michelle Gaytan	1-19-23	1400
Luis Perez	1-19-23	1730	Michelle Gaytan	1-19-23	1715
Raeven Perez	1-19-23	2302	Courtney Clark	11/20/23	7:00

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

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

CONDITIONS

Action 193351

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 193351
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2235917969 COTTON DRAW UNIT 12 CTB 12, thank you. This closure is approved.	7/6/2023