Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NOY1816949521
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NOY1816949521
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: 3/16/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/16/2023

State of New Mexico
Oil Conservation Division

Incident ID	NOY1816949521
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: Environmental Professional

Signature: Dale Woodall Date: 3/16/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/16/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

March 16th, 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 250H (Cotton Draw Unit 7 CTB)
API No. 30-025-42589
GPS: Latitude 32.151797 Longitude -103.715336
UL -- C, Sec. 7, T25S, R32E
Lea County, NM
NMOCD Ref. No. NOY1816949521

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for produced water release that occurred at the Cotton Draw Unit 250H/Cotton Draw Unit 7 CTB (Cotton Draw). The initial C-141 was submitted on June 18th, 2018 (Appendix C). This incident was assigned Incident ID NOY1816949521 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cotton Draw is located approximately twenty-two (22) miles southeast of Malaga, NM. This spill site is in Unit C, Section 7, Township 25S, Range 32E, Latitude 32.151797 Longitude -103.715336, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is composed of eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Pyote loamy fine sand, 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 in the area of the Cotton Draw (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 greater than 289 feet BGS. The closest waterway is the Pecos River, located approximately 15.02 miles to the northwest of this location. See Appendix A for referenced water surveys.

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

Reference Figure 2 for a Topographic Map.

Release Information

NOY1816949521: On June 3rd, 2018, a lightning strike occurred at the Cotton Draw facility causing the water tanks to catch on fire. Approximately 1002 barrels of produced water was released, and 960 barrels were recovered. The release impacted areas on pad and in the adjacent pasture.

Remediation Activities, Site Assessment, and Soil Sampling Results

On March 6th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the areas surrounding and underlining the removed tank battery and collected a total of twenty-five soil samples for laboratory analysis. Six bottom samples (S1-S6) were collected at depths of 1, 2 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW6) were collected at a depth of 6 inches to determine horizontal delineation. One background sample was collected to obtain a representation of naturally occurring chlorides surrounding the Cotton Draw. An initial site map can be found in Figure 4.

3-6-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51'-100')								
DEVON ENERGY -Cotton Draw Unit 250H (Cotton Draw Unit 7 CTB)								
Sample Date: 3/6/2023				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	103
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	103
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	113
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	97.2
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	130
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	101
	2'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	Surface	ND	ND	ND	ND	ND	0	ND
SW 2	Surface	ND	ND	ND	ND	ND	0	ND
SW 3	Surface	ND	ND	ND	ND	ND	0	ND
SW 4	Surface	ND	ND	ND	ND	ND	0	ND
SW 5	Surface	ND	ND	ND	ND	ND	0	ND
SW 6	Surface	ND	ND	ND	ND	ND	0	ND
BG 1	Surface	ND	ND	ND	ND	ND	0	ND

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. See Appendix D for Photographic Documentation.

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Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NOY1816949521 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 Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

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

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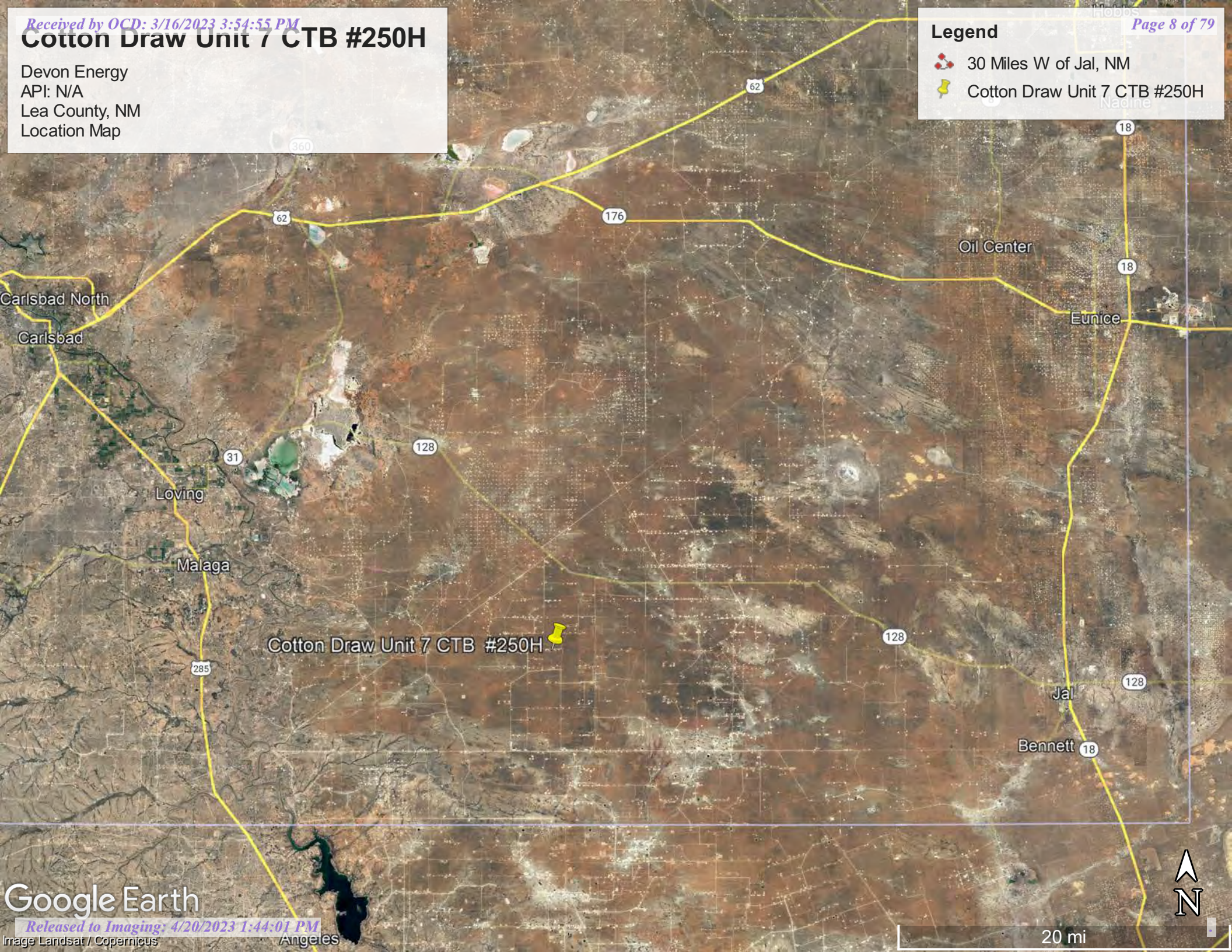
Cotton Draw Unit 7 CTB #250H

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



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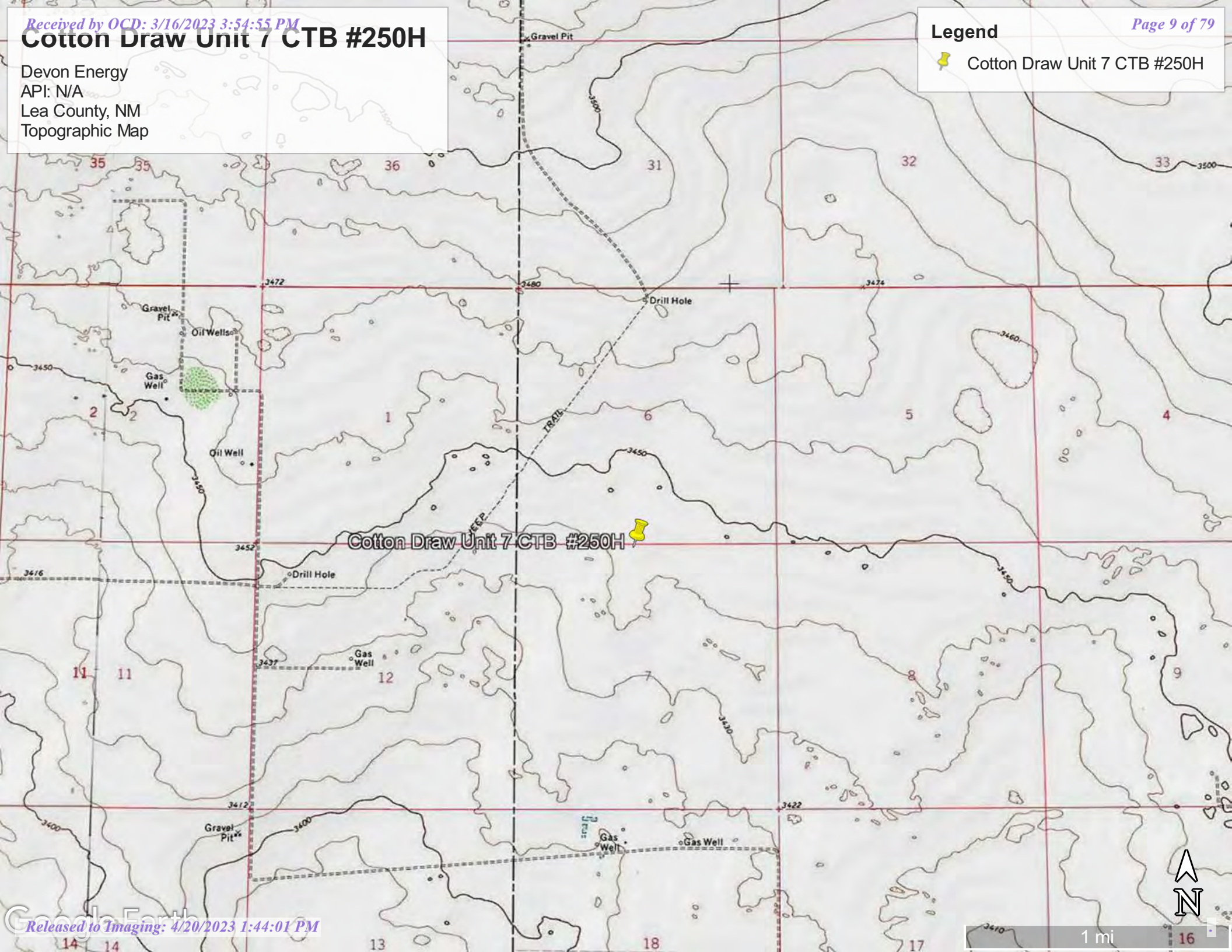
Cotton Draw Unit 7 CTB #250H

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

Legend

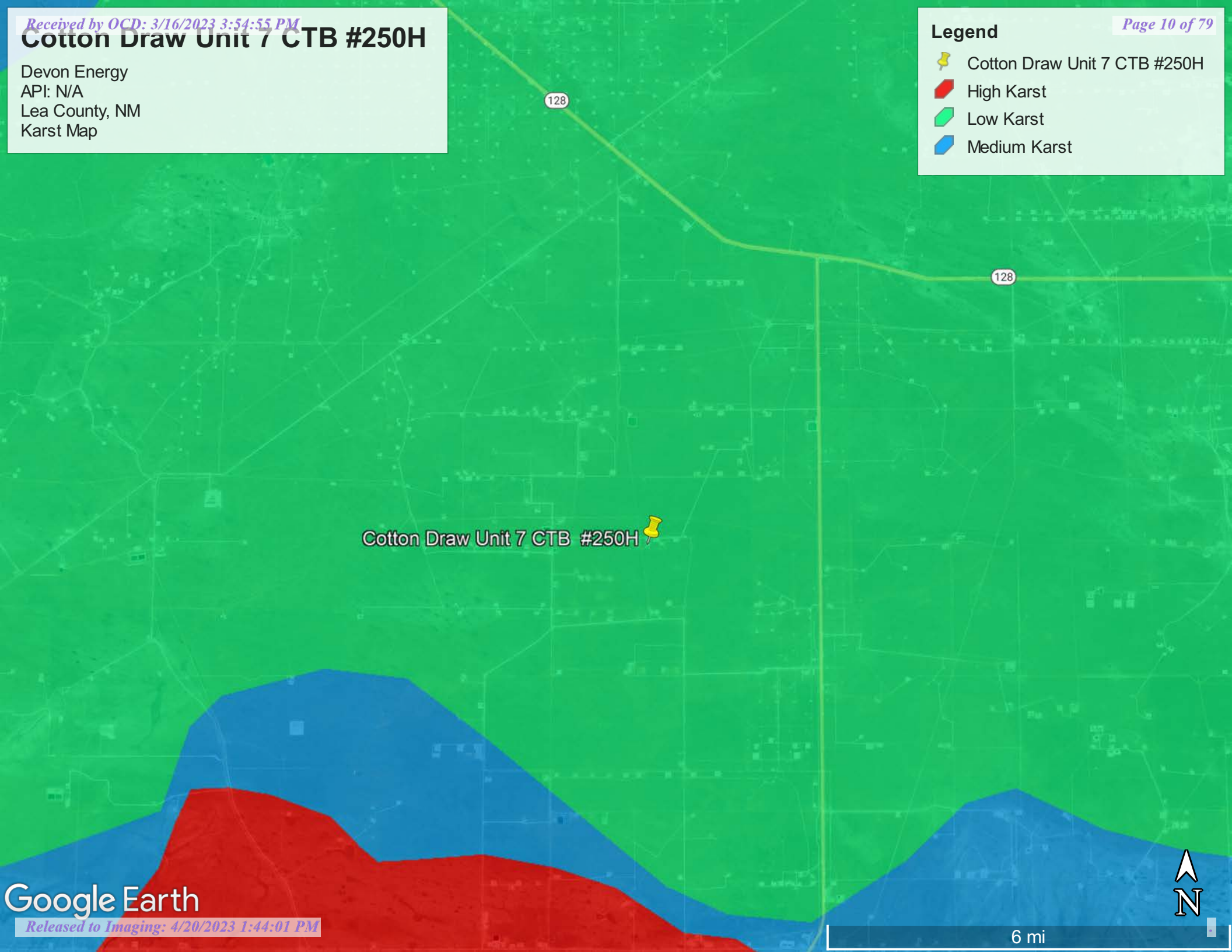
Cotton Draw Unit 7 CTB #250H



Received by OCD: 3/16/2023 3:54:55 PM

Cotton Draw Unit 7 CTB #250H

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



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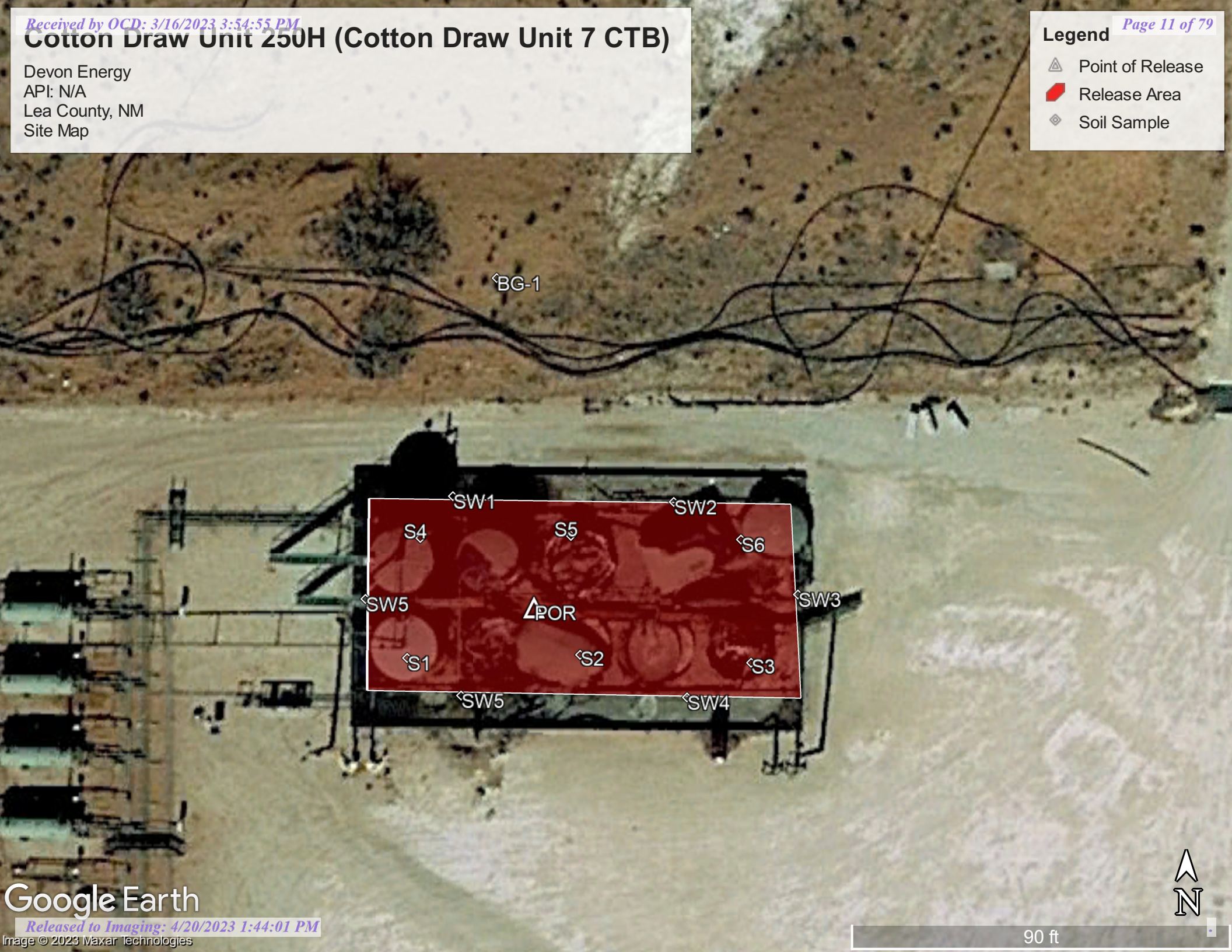
Cotton Draw Unit 250H (Cotton Draw Unit 7 CTB)

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



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Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	298	55		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E	619958	3558078	1194	55		
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	2237	1025		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	2496	895		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	2555	450		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	2611	1016		
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	2781	852		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	2871			
C 04618 POD1		CUB	LE	3	4	3	18	25S	32E	621041	3554886	3098	55		
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	3142	860		
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	3409			
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E	619764	3561226	3526	55		
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E	619200	3561279	3828			
C 04643 POD1		C	ED	4	2	2	05	23S	27E	619200	3561279	3828	305	135	170
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	4346	55		
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674	4570	55		
C 04634 POD1		CUB	LE	4	3	3	10	25S	32E	625643	3556522	4726	55		
C 04665		CUB	LE	1	1	2	30	24S	32E	621350	3562798	4819	120		
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170	4923			

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

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 621148.34 **Northing (Y):** 3557983.7 **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.

2/14/23 6:15 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04620 POD1	4	3	4	06	25S	32E	621445	3558018

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

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 06/01/2022 **Drill Finish Date:** 06/01/2022 **Plug Date:**

Log File Date: 06/10/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: **Depth Well:** 55 feet **Depth Water:**

Casing Perforations:	Top	Bottom
	0	55

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.

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 =

- 321005103402301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321005103402301 24S.32E.33.42241

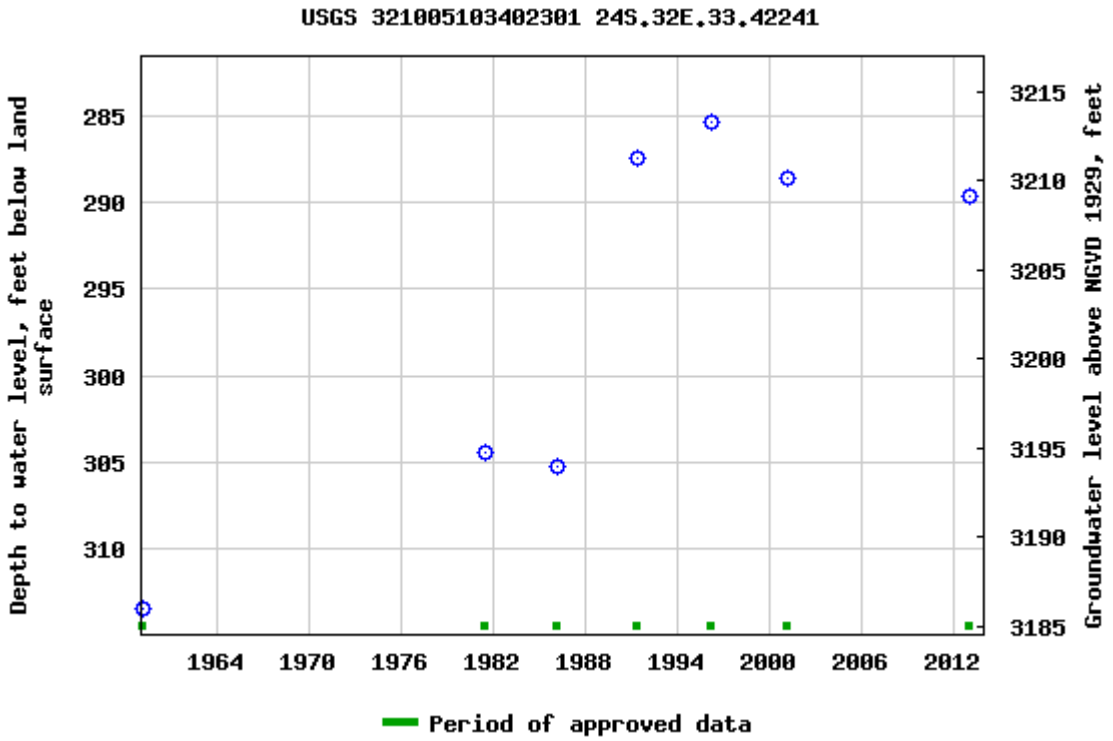
Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070001
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

Subscribe for system changes
News

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?

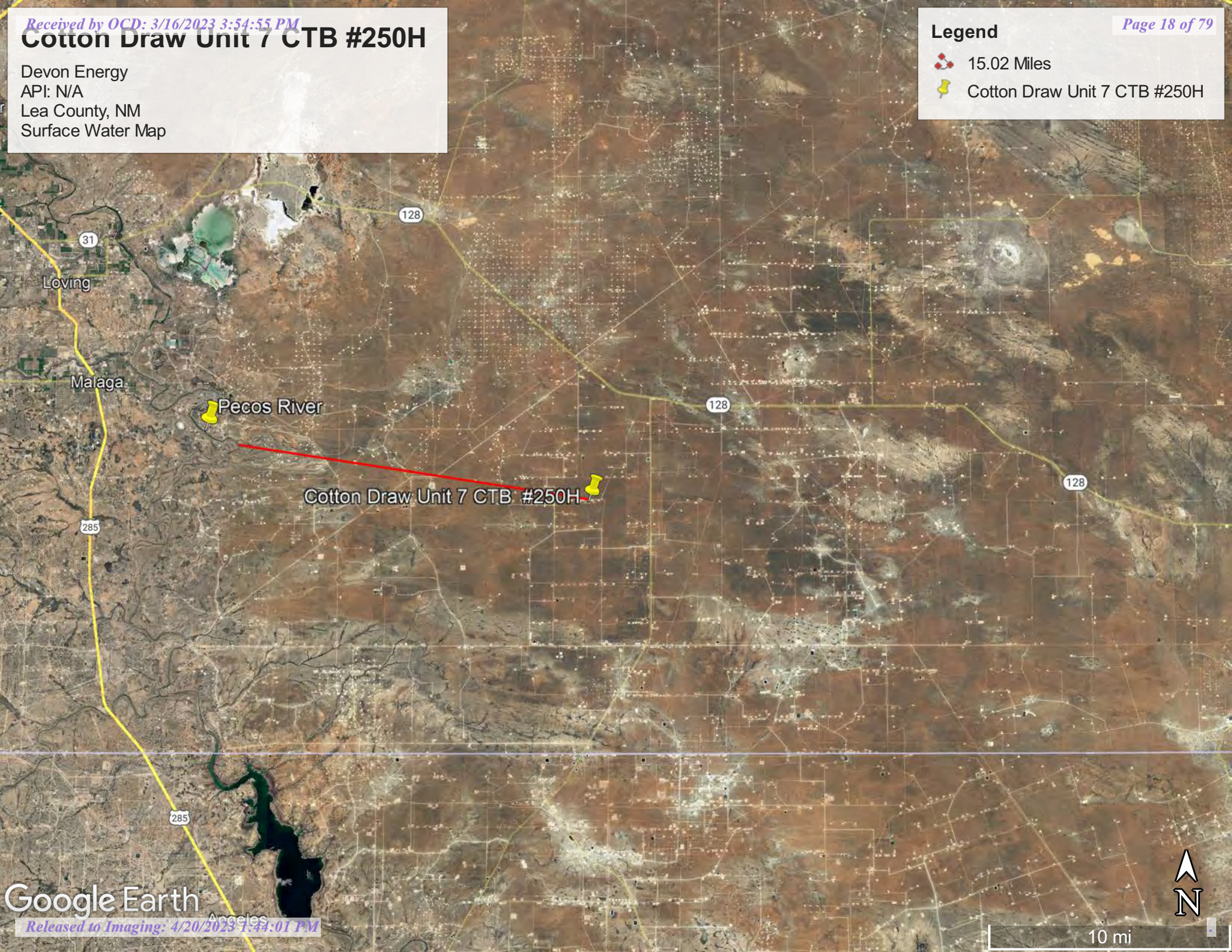
Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-02-14 20:13:45 EST
0.58 0.5 nadww01

Cotton Draw Unit 7 CTB #250H

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

Legend

15.02 Miles
Cotton Draw Unit 7 CTB #250H



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Lea County, New Mexico

PT—Pyote loamy fine sand

Map Unit Setting

National map unit symbol: dmqp
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 200 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

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

Description of Pyote

Setting

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

Typical profile

A - 0 to 25 inches: loamy fine sand
Bt - 25 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s

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Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Maljamar
Percent of map unit: 8 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas
Percent of map unit: 7 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

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National Flood Hazard Layer FIRMette

FEMA

103°43'14"W 32°9'22"N

103°42'36"W 32°8'51"N

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

1:6,000

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

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/14/2023 at 8:16 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.

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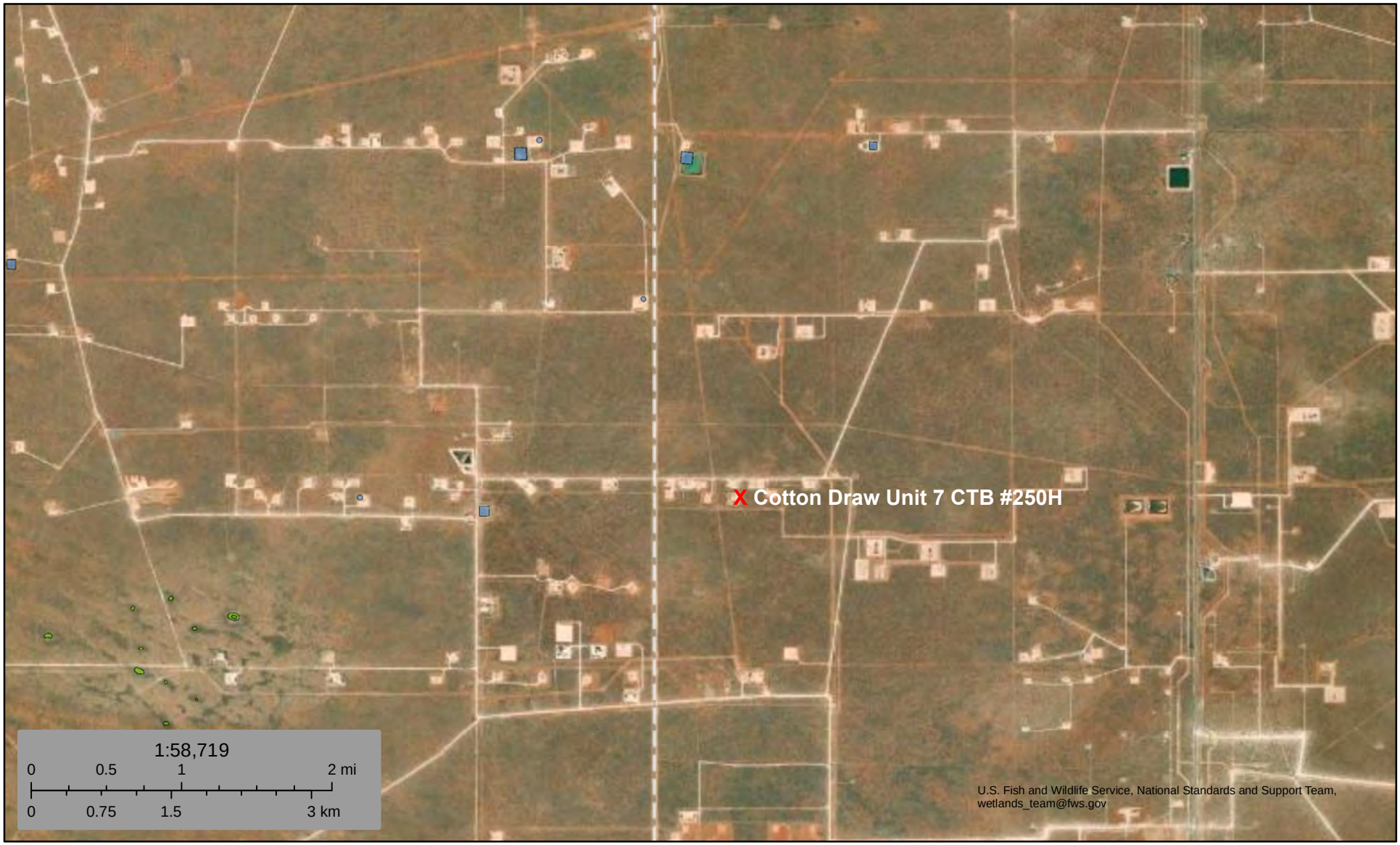
U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map



February 15, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

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

Released to Imaging: 4/20/2023 1:44:01 PM

Pima Environmental Services

Appendix C

C-141 Form

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

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company	Contact Wes Ryan, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name Cotton Draw Unit 250H (release occurred at the Cotton Draw Unit 7 CTB)	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-025-42589

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	7	25S	32E					Lea

Latitude_32151797._ **Longitude**_103.715336_ NAD83

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 1002 BBLS	Volume Recovered 960 BBLS
Source of Release Tanks	Date and Hour of Occurrence June 3, 2018 @ 9:00 PM MST	Date and Hour of Discovery June 3, 2018 @ 9:00 PM MST
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD-Olivia Yu BLM-Shelly Tucker	
By Whom? Mike Shoemaker	Date and Hour June 4, 2018 @ 9:00 PM MST	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

RECEIVED
By Olivia Yu at 1:44 pm, Jun 18, 2018

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
A lightning strike occurred at the facility and the water tanks were hit and caught on fire. The fire was extinguished by the Jal Fire department. The release did affect the pad location and the adjacent pasture.

Describe Area Affected and Cleanup Action Taken.*
Approximately 1002 bbls of produced water was released. Approximately 960 bbls was recovered. An Environmental contractor will be contacted to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Michael Shoemaker	OIL CONSERVATION DIVISION
Printed Name: Michael Shoemaker	Approved by Environmental Specialist:
Title: Environmental Professional	Approval Date: 6/18/2018 Expiration Date:
E-mail Address: mike.shoemaker@dvn.com	Conditions of Approval: see attached directive Attached ☑
Date: 06/15/18 Phone: 575.748.3371	

* Attach Additional Sheets If Necessary

1RP-5101 nOY1816949521 pOY1816950065

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _6/15/2018_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-5101__ has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _7/18/2018_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

● Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

● Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

● Nominal detection limits for field and laboratory analyses must be provided.

● Composite sampling is not generally allowed.

● Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

●Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

● If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

● Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Cotton Draw Unit 250H (Release at the Cotton Draw Unit 7 CTB)

1002 bbls produced water_06-03-18

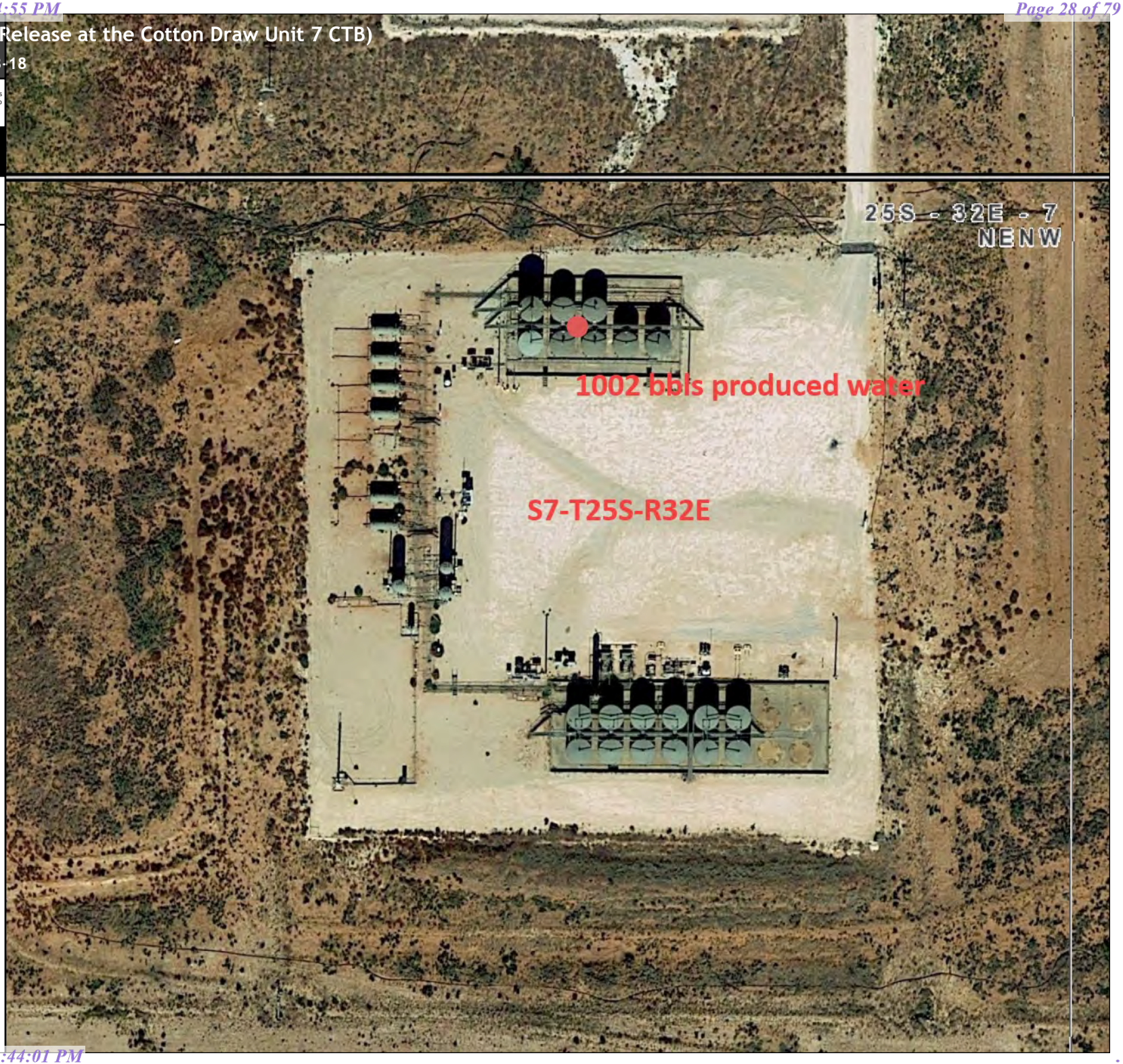
devon

This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Michael Shoemaker
Map is current as of: 15-Jun-2018

N

Miles
0 0.00 0.01 0.02 1: 889



Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NOY1816949521
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NOY1816949521
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: 3/16/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	NOY1816949521
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: Environmental Professional

Signature: Dale Woodall Date: 3/16/2023

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: Jennifer Nobui Date: 04/20/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
PIMA ENVIORNMENTAL

Cotton Draw Unit 250H (Cotton Draw Unit 7 CTB)


+32.151875,-103.715516
126° SE
Devon
Cotton Draw Unit 7 CTB 250H


+32.151912,-103.715287
200° S
Devon
Cotton Draw Unit 7 CTB 250H


+32.151912,-103.715287
152° SE
Devon
Cotton Draw Unit 7 CTB 250H


+32.151912,-103.715287
178° S
Devon
Cotton Draw Unit 7 CTB 250H

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 7 CTB 250H
Work Order:	E303031
Job Number:	01058-0007
Received:	3/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/15/23

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: 3/15/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw 7 CTB 250H
Workorder: E303031
Date Received: 3/9/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2023 8:15:00AM, under the Project Name: Cotton Draw 7 CTB 250H.

The analytical test results summarized in this report with the Project Name: Cotton Draw 7 CTB 250H 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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/15/23 10:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E303031-01A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S1 - 2'	E303031-02A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S1 - 4'	E303031-03A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S2 - 1'	E303031-04A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S2 - 2'	E303031-05A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S2 - 4'	E303031-06A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S3 - 1'	E303031-07A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S3 - 2'	E303031-08A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S3 - 4'	E303031-09A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S4 - 1'	E303031-10A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S4 - 2'	E303031-11A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S4 - 4'	E303031-12A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S5 - 1'	E303031-13A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S5 - 2'	E303031-14A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S5 - 4'	E303031-15A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S6 - 1'	E303031-16A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S6 - 2'	E303031-17A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
S6 - 4'	E303031-18A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW1	E303031-19A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW2	E303031-20A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW3	E303031-21A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW4	E303031-22A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW5	E303031-23A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
SW6	E303031-24A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.
BG1	E303031-25A	Solid	03/06/23	03/09/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S1 - 1'

E303031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**103**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S1 - 2'

E303031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S1 - 4'

E303031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S2 - 1'

E303031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*91.8 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**103**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S2 - 2'

E303031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S2 - 4'

E303031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*88.6 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*88.6 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S3 - 1'

E303031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**113**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S3 - 2'

E303031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.9 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*88.9 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S3 - 4'

E303031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*89.3 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*90.4 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S4 - 1'

E303031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.5 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.5 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**97.2**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S4 - 2'

E303031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*95.5 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S4 - 4'

E303031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S5 - 1'

E303031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/10/23	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*03/09/23*	*03/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**130**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S5 - 2'

E303031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*87.8 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*89.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*87.8 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*89.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S5 - 4'

E303031-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S6 - 1'

E303031-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*88.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*88.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	**101**	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S6 - 2'

E303031-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

S6 - 4'

E303031-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/10/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW1

E303031-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/10/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW2

E303031-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
o-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310037
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/09/23*	*03/09/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/09/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310046
Chloride	ND	20.0	1	03/09/23	03/10/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW3

E303031-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310048
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW4

E303031-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310048
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW5

E303031-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*94.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*94.4 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310048
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

SW6

E303031-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*96.3 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310048
Chloride	ND	20.0	1	03/09/23	03/09/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

BG1

E303031-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Benzene	ND	0.0250	1	03/09/23	03/10/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/10/23	
Toluene	ND	0.0250	1	03/09/23	03/10/23	
o-Xylene	ND	0.0250	1	03/09/23	03/10/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/10/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*94.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2310035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/10/23	
Surrogate: Bromofluorobenzene		*94.0 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*03/09/23*	*03/10/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/09/23*	*03/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2310043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/11/23	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*03/09/23*	*03/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2310048
Chloride	ND	20.0	1	03/09/23	03/09/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310035-BLK1)									Prepared: 03/09/23 Analyzed: 03/10/23
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	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
LCS (2310035-BS1)									Prepared: 03/09/23 Analyzed: 03/10/23
Benzene	2.14	0.0250	2.50		85.5	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.4	70-130			
Toluene	2.29	0.0250	2.50		91.8	70-130			
o-Xylene	2.37	0.0250	2.50		94.8	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.9	70-130			
Total Xylenes	7.06	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike (2310035-MS1)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/10/23
Benzene	2.15	0.0250	2.50	ND	86.0	48-131			
Ethylbenzene	2.34	0.0250	2.50	ND	93.6	45-135			
Toluene	2.33	0.0250	2.50	ND	93.1	48-130			
o-Xylene	2.40	0.0250	2.50	ND	95.9	43-135			
p,m-Xylene	4.77	0.0500	5.00	ND	95.3	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2310035-MSD1)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/10/23
Benzene	2.16	0.0250	2.50	ND	86.4	48-131	0.441	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135	0.901	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	0.603	24	
o-Xylene	2.37	0.0250	2.50	ND	94.8	43-135	1.09	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	1.16	27	
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135	1.14	27	
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310037-BLK1)									Prepared: 03/09/23 Analyzed: 03/09/23
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	*0.455*		*0.500*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
LCS (2310037-BS1)									Prepared: 03/09/23 Analyzed: 03/09/23
Benzene	2.41	0.0250	2.50		96.3	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	4.95	0.0500	5.00		99.1	70-130			
Total Xylenes	7.54	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2310037-MS1)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/09/23
Benzene	2.44	0.0250	2.50	ND	97.8	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135			
Toluene	2.49	0.0250	2.50	ND	99.8	48-130			
o-Xylene	2.57	0.0250	2.50	ND	103	43-135			
p,m-Xylene	4.92	0.0500	5.00	ND	98.4	43-135			
Total Xylenes	7.49	0.0250	7.50	ND	99.9	43-135			
Surrogate: Bromofluorobenzene	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2310037-MSD1)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/09/23
Benzene	2.44	0.0250	2.50	ND	97.6	48-131	0.184	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.2	45-135	0.992	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	0.938	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	0.736	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135	0.385	27	
Total Xylenes	7.53	0.0250	7.50	ND	100	43-135	0.506	27	
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310035-BLK1)									Prepared: 03/09/23 Analyzed: 03/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.451*		*0.500*		*90.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
LCS (2310035-BS2)									Prepared: 03/09/23 Analyzed: 03/10/23
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike (2310035-MS2)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/10/23
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2310035-MSD2)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/10/23
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130	0.00101	20	
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310037-BLK1)									Prepared: 03/09/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.455*		*0.500*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
LCS (2310037-BS2)									Prepared: 03/09/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.515*		*0.500*		*103*	*70-130*			
Matrix Spike (2310037-MS2)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2310037-MSD2)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	8.29	20	
Surrogate: Bromofluorobenzene	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310041-BLK1)									Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.0*		*50.0*		*96.1*	*50-200*			
LCS (2310041-BS1)									Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132			
Surrogate: n-Nonane	*45.6*		*50.0*		*91.1*	*50-200*			
Matrix Spike (2310041-MS1)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	197	25.0	250	ND	79.0	38-132			
Surrogate: n-Nonane	*43.0*		*50.0*		*86.0*	*50-200*			
Matrix Spike Dup (2310041-MSD1)				**Source: E303031-20**					Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.4	38-132	6.68	20	
Surrogate: n-Nonane	*43.4*		*50.0*		*86.9*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310043-BLK1)									Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
LCS (2310043-BS1)									Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	231	25.0	250		92.6	38-132			
Surrogate: n-Nonane	*47.9*		*50.0*		*95.8*	*50-200*			
Matrix Spike (2310043-MS1)				**Source: E303031-21**					Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	209	25.0	250	ND	83.6	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.8*	*50-200*			
Matrix Spike Dup (2310043-MSD1)				**Source: E303031-21**					Prepared: 03/09/23 Analyzed: 03/10/23
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.9	38-132	3.88	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.9*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

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 (2310046-BLK1)									Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	ND	20.0							
LCS (2310046-BS1)									Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	234	20.0	250		93.6	90-110			
Matrix Spike (2310046-MS1)				**Source: E303031-01**					Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	357	20.0	250	103	102	80-120			
Matrix Spike Dup (2310046-MSD1)				**Source: E303031-01**					Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	353	20.0	250	103	99.9	80-120	1.31	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw 7 CTB 250H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/15/2023 10:36:49AM

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 (2310048-BLK1)									Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	ND	20.0							
LCS (2310048-BS1)									Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	268	20.0	250		107	90-110			
Matrix Spike (2310048-MS1)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2310048-MSD1)				**Source: E303028-01**					Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	268	20.0	250	ND	107	80-120	0.998	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 7 CTB 250H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/15/23 10:36

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.

Released to Imaging: 4/20/2023 1:44:01 PM
Received by OCD: 3/16/2023 3:54:55 PM

Project Information

Chain of Custody

Client: Pima Environmental Services	
Project: Cotton Draw 7 CTB 250H	
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 #	1-262

Lab Use Only

Lab WO#	Job Number
E303031	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	3/6/23	S	1	S1-1'	1							X		
8:05				S1-2'	2									
8:10				S1-4'	3									
8:15				S2-1'	4									
8:20				S2-2'	5									
8:25				S2-4'	6									
8:30				S3-1	7									
8:35				S3-2'	8									
8:40				S3-4'	9									
8:45				S4-1'	10									

Additional Instructions:

Billing #: 211276 87

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	3-7-23	2:00	Michelle Campos	3-7-23	1400
Michelle Campos	3-7-23	1745	Lorenzo Lei	3-8-23	1800
Lorenzo Lei	3-8-23	2345	Cartha Chat	3/9/23	8:15

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.

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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Released to Imaging: 4/20/2023 1:44:01 PM
Received by OCD: 3/16/2023 3:54:55 PM

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: Cotton Draw 7CTB 250H
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 # 1-262

Lab Use Only
Lab WO# E303031
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
8:50	3/6/23	S	1	S4-2'	11
8:55				S4-4'	12
9:00				S5-1'	13
9:05				S5-2'	14
9:10				S5-4'	15
9:15				S6-1'	16
9:20				S6-2'	17
9:25				S6-4'	18
9:30				SW1	19
9:35				SW2	20

Remarks

Additional Instructions: Billing #: 212176687

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andriana 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
	3-7-23	2:00	Michelle Gaytan	3-7-23	1400
Michelle Gaytan	3-7-23	1745	Lorenzo Lei	3-8-23	1800
Lorenzo Lei	3-8-23	2345	Cuth Chte	3/9/23	8:15

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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Released to Imaging: 4/20/2023 1:44:01 PM

Received by OCD: 3/16/2023 3:54:55 PM

Project Information

Chain of Custody

Client: Pima Environmental Services	Bill To
Project: Cotton Draw 7 CTB 250H	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-262
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E303031	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
9:35	3/6/23	S	1	SW3	21									X				
9:40	↓	↓	↓	SW4	22									↓				
9:45	↓	↓	↓	SW5	23									↓				
9:50	↓	↓	↓	SW6	24									↓				
9:55	↓	↓	↓	BG1	25									↓				

Additional Instructions: Billing # 21127687

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
[signature]	3-7-23	2:00	Michelle Campbell [signature]	3-7-23	1400
Michelle Campbell [signature]	3-7-23	1745	[signature]	3-8-23	1800
[signature]	3-8-23	2345	[signature]	3/9/23	8:15

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: 3/9/2023 12:00:55PM

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:	03/09/23 08:15	Work Order ID:	E303031
Phone:	(575) 631-6977	Date Logged In:	03/09/23 09:09	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	03/15/23 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	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

White out present on COC when received from client.

Client Instruction

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

Date

envirotech Inc.

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

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198110
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/20/2023