

Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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Application ID	

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

Printed Name: Dale Woodall Title: Environmental ProfessionalSignature: Dale Woodall Date: 7/20/2023email: dale.woodall@dvn.com Telephone: 575-748-1838**OCD Only**Received by: Shelly Wells Date: 7/20/2023

Incident ID	NAB1602526481
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Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 7/20/2023

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

OCD Only

Received by: Shelly Wells Date: 7/20/2023

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: Ashley Maxwell Date: 7/21/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



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

July 18th, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Cotton Draw Unit #292H
API No. 30-015-43261
GPS: Latitude 32.171190 Longitude -103.733350
UL -- K, Sec. 36, T24S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1602526481

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a treated produced water release that occurred at the Cotton Draw Unit 292H (CDC). The initial C-141 was submitted on January 21st, 2016 (Appendix C). This incident was assigned Incident ID NAB1602526481 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The CDU is located approximately thirty-two (32) miles northwest of Jal, NM. This spill site is in Unit K, Section 36, Township 24S, Range 31E, Latitude 32.171190 Longitude -103.733350, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Berino complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the CDU (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 289.69 feet BGS. The closest waterway is the Pecos River, located approximately 18.36 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (No GW Data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAB1602526481: On January 20th, 2016, A treated produced water transfer line going from the Trionyx Water Treatment Pond to the Cotton Draw Unit #292H developed a leak on to the lease road and the pipeline easement following the lease road. The water pumps

were shut down immediately, line pinchers were applied to stop the release and isolate the damaged area, and the damaged section of line was replaced. The line had been split and the cause is under investigation at this time, but it appears to have been struck by a vehicle.

Remediation Activities, Site Assessment, and Soil Sampling Results

On July 7th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima collected a total of twenty-four soil samples for laboratory analysis. Six bottom samples (S1-S6) were collected at various depths to determine vertical delineation. Additionally, side wall samples (SW1-SW6) were collected at a depth of 6 inches to determine horizontal delineation. An initial site map can be found in Figure 4.

7-7-2023 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -COTTON DRAW UNIT #292H								
Sample Date: 7/7/2023			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	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	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.

Closure Request

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

After careful review, Pima requests that this incident, NAB1602526481, 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
Project Manger
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

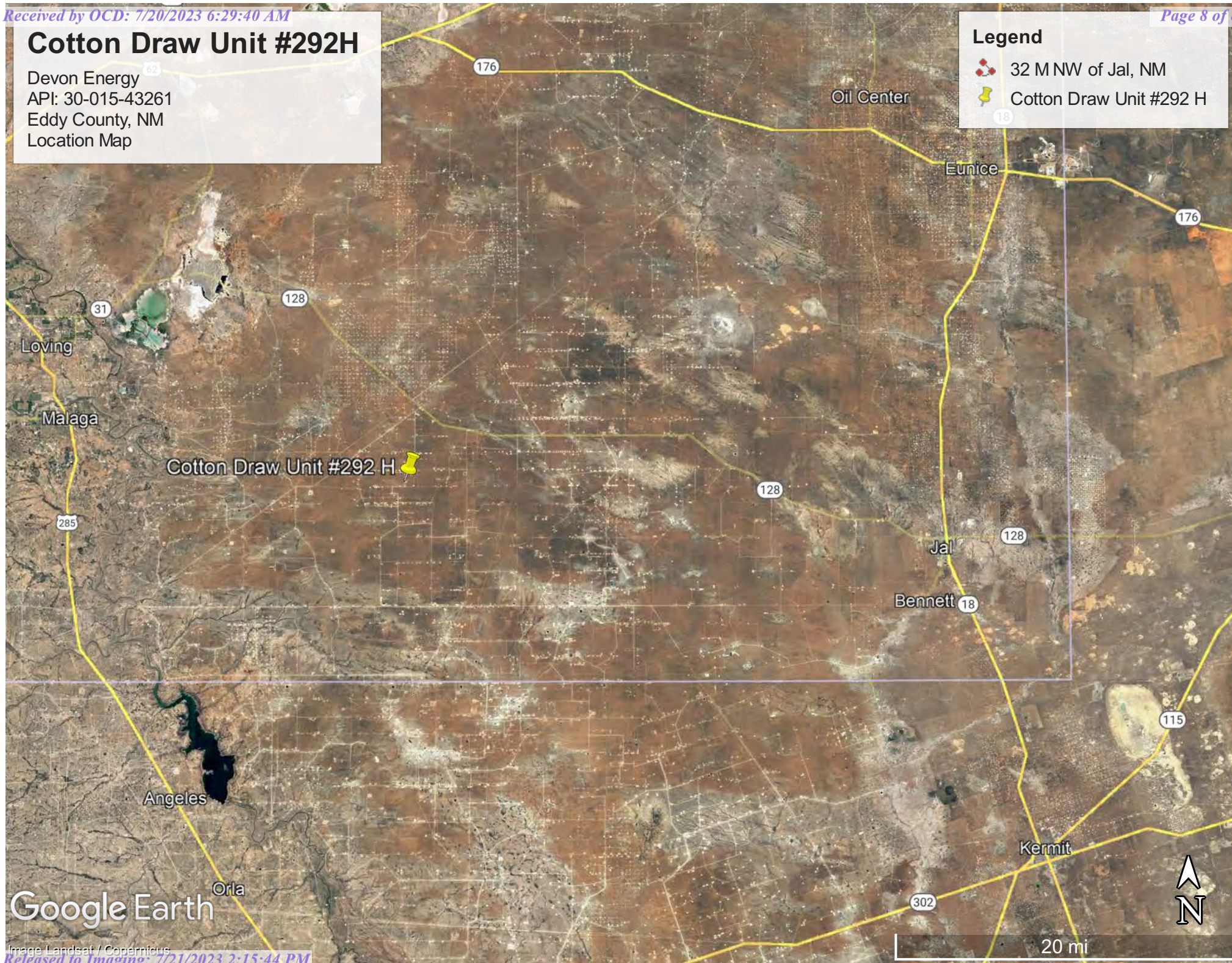
4-Site Map

Cotton Draw Unit #292H

Devon Energy
API: 30-015-43261
Eddy County, NM
Location Map

Legend

-  32 M NW of Jal, NM
-  Cotton Draw Unit #292 H



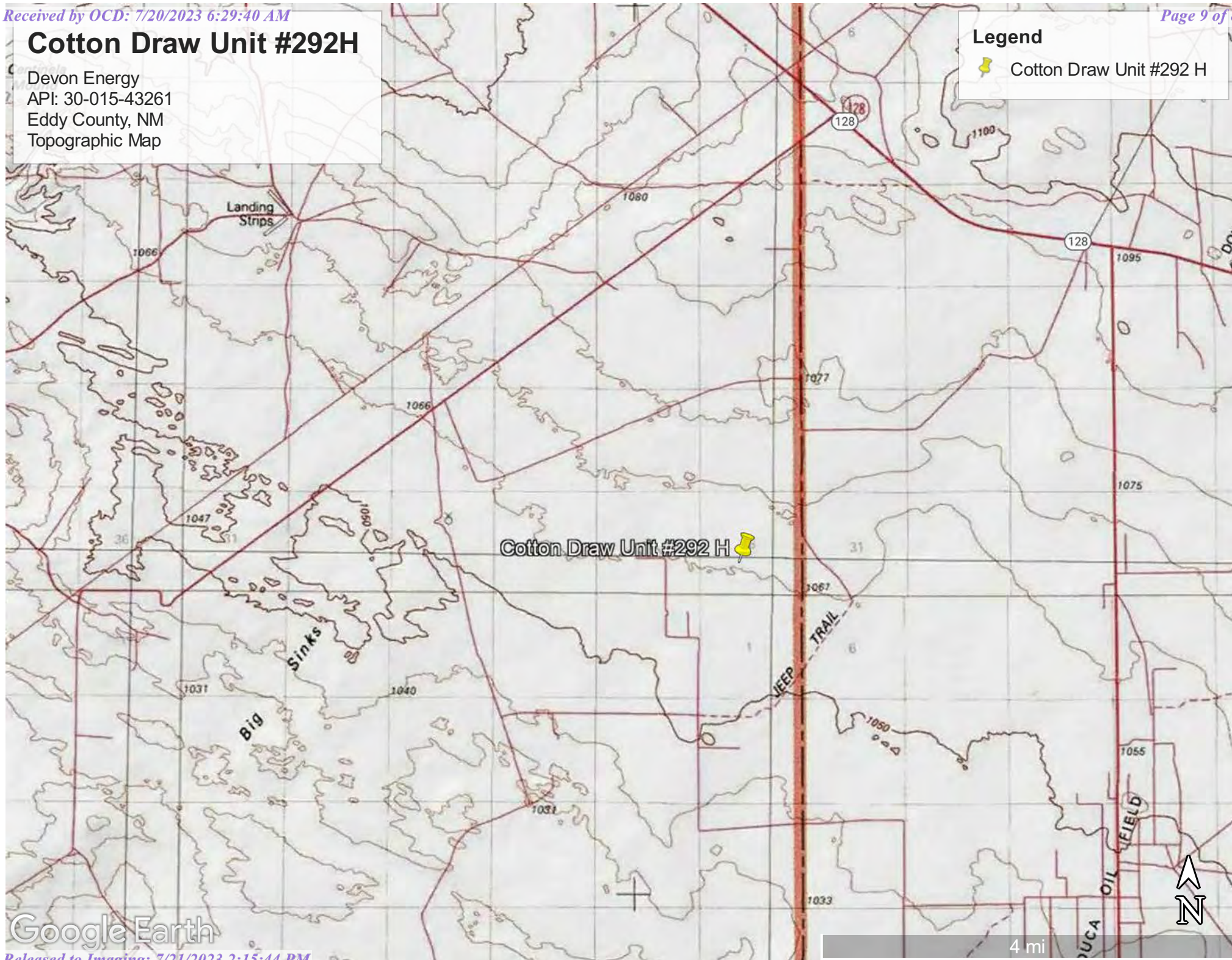
Google Earth

Cotton Draw Unit #292H

Devon Energy
API: 30-015-43261
Eddy County, NM
Topographic Map

Legend

 Cotton Draw Unit #292 H







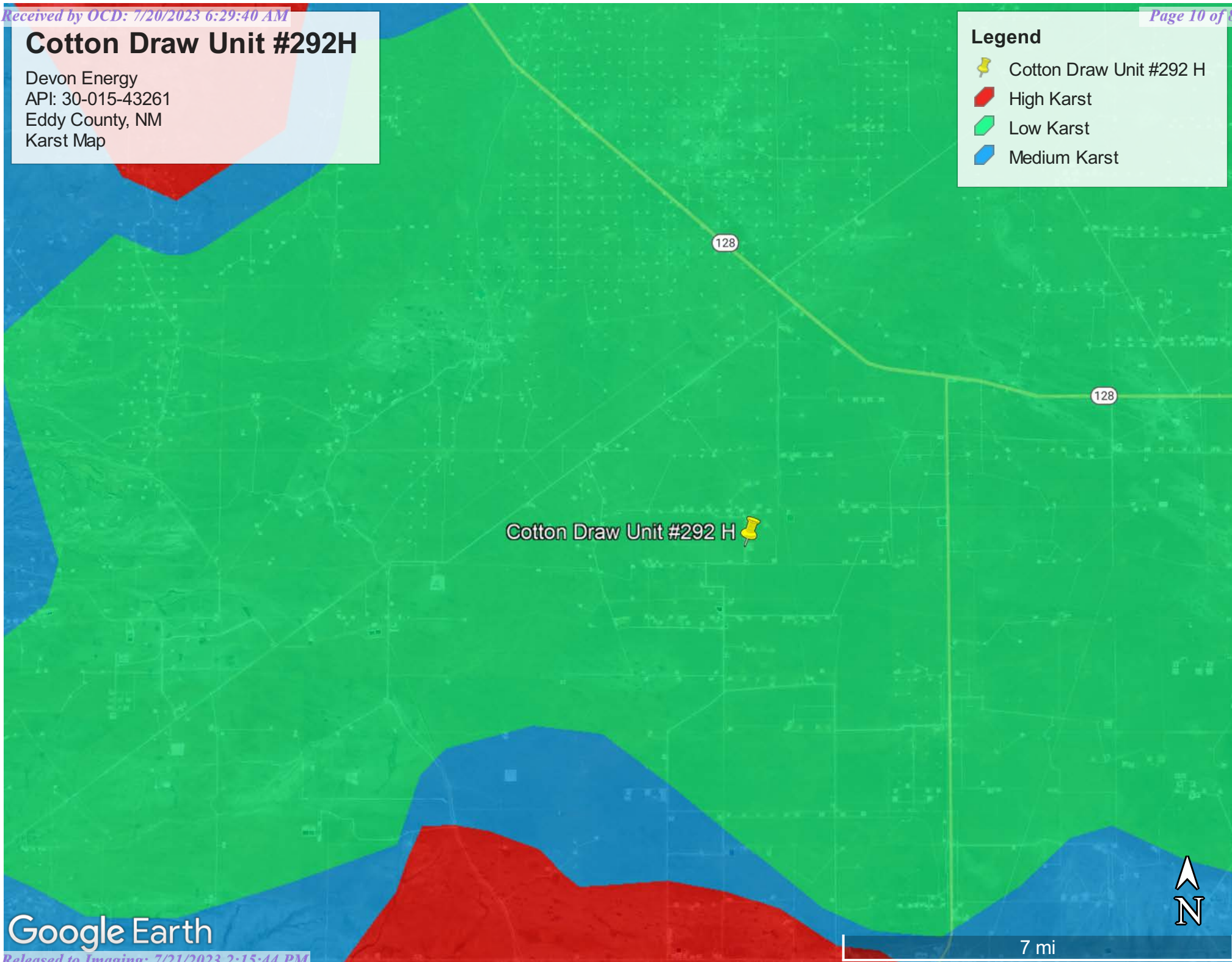
Google Earth

Cotton Draw Unit #292H

Devon Energy
API: 30-015-43261
Eddy County, NM
Karst Map

Legend

-  Cotton Draw Unit #292 H
-  High Karst
-  Low Karst
-  Medium Karst



Google Earth



7 mi

Cotton Draw Unit #292H

Devon Energy
NAB1602526481
Eddy County, NM
30-015-43261
Site Map

Legend

- Bottom Sample
- Release Area
- Side Wall Sample
- SW1
- SW2
- SW3
- SW4
- SW5
- SW6





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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	1096	852		
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E	619764	3561226	1164	55		
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E	619200	3561279	1187			
C 04643 POD1		C	ED	4	2	2	05	23S	27E	619200	3561279	1187	305	135	170
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	1262	1025		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	1378			
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	1397	860		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	1421	1016		
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	1469			
C 04722 POD2		CUB	LE	2	1	1	06	25S	32E	620808	3559499	1514	55		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	1776	895		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	1857	450		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E	619958	3558078	2103	55		
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170	2288			
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674	2559	55		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	2910	55		
C 04665		CUB	LE	1	1	2	30	24S	32E	621350	3562798	3304	120		
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	3390	55		
C 04388 POD1		C	ED	3	2	1	23	24S	31E	617546	3564006	4322	910	868	42
C 04576 POD1		CUB	ED	1	2	1	23	24S	31E	617700	3564324	4550	910	850	60

Average Depth to Water: **617 feet**

Minimum Depth: **135 feet**

Maximum Depth: **868 feet**

Record Count: 20

UTM NAD83 Radius Search (in meters):

Easting (X): 619424.15

Northing (Y): 3560113.42

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.

6/24/23 8:14 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[USGS Home](#)
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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 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.

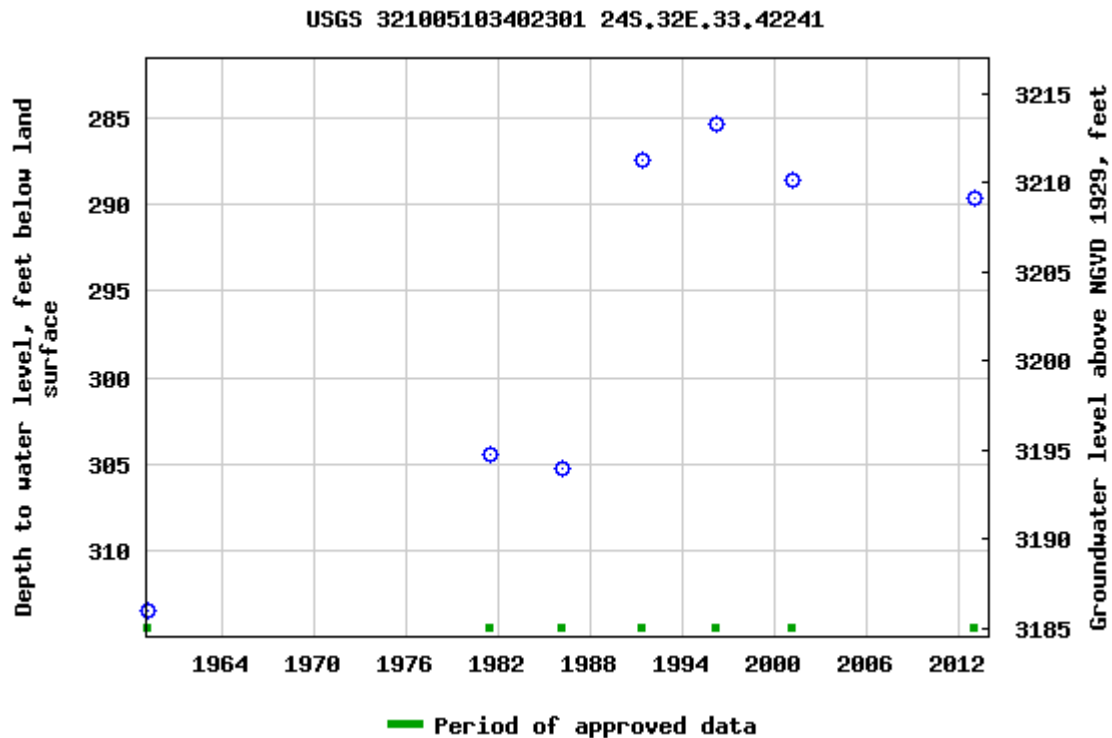
Output formats

[Table of data](#)

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

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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: 2023-06-24 10:07:54 EDT

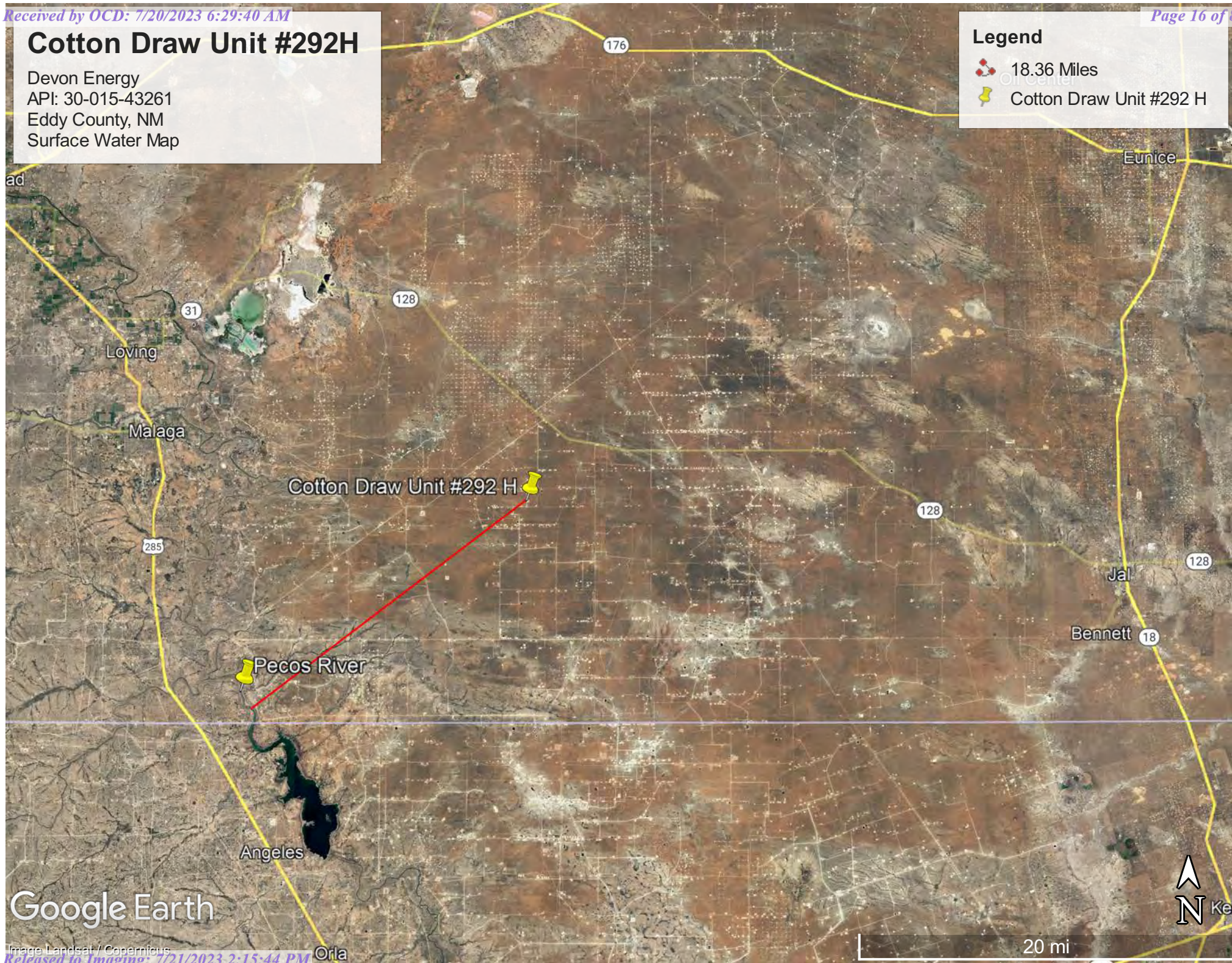
0.64 0.57 nadww01

Cotton Draw Unit #292H

Devon Energy
API: 30-015-43261
Eddy County, NM
Surface Water Map

Legend

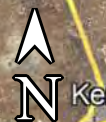
-  18.36 Miles
-  Cotton Draw Unit #292 H



Google Earth

Image Landsat / Copernicus

Orla





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

Land capability classification (irrigated): None specified

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

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

Description of Pajarito

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Pajarito

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

Wink

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

Cacique

Percent of map unit: 4 percent

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

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Kermit

Percent of map unit: 3 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

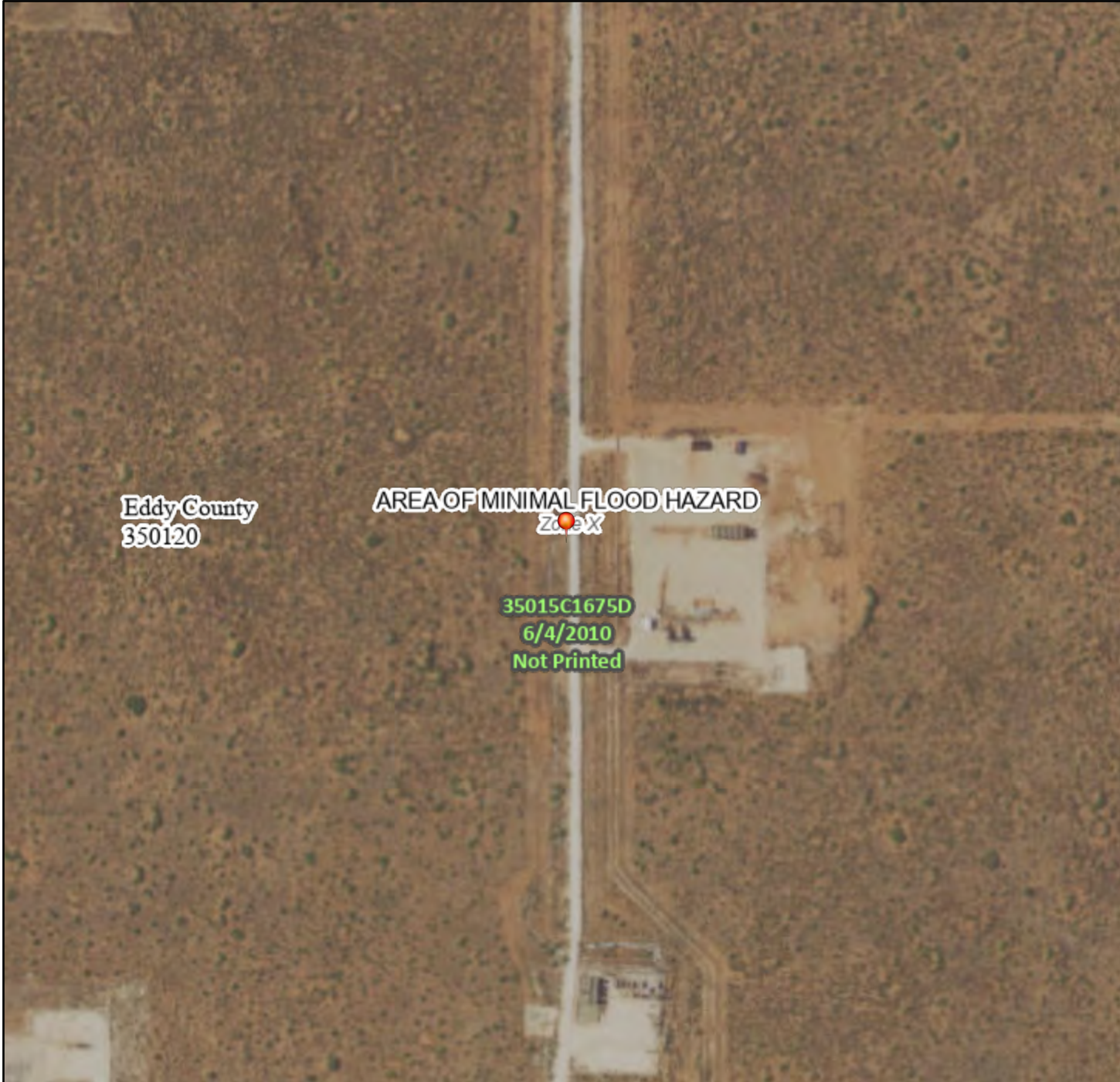
Survey Area Data: Version 18, Sep 8, 2022



National Flood Hazard Layer FIRMMette



103°44'19"W 32°10'32"N



Legend

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

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



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

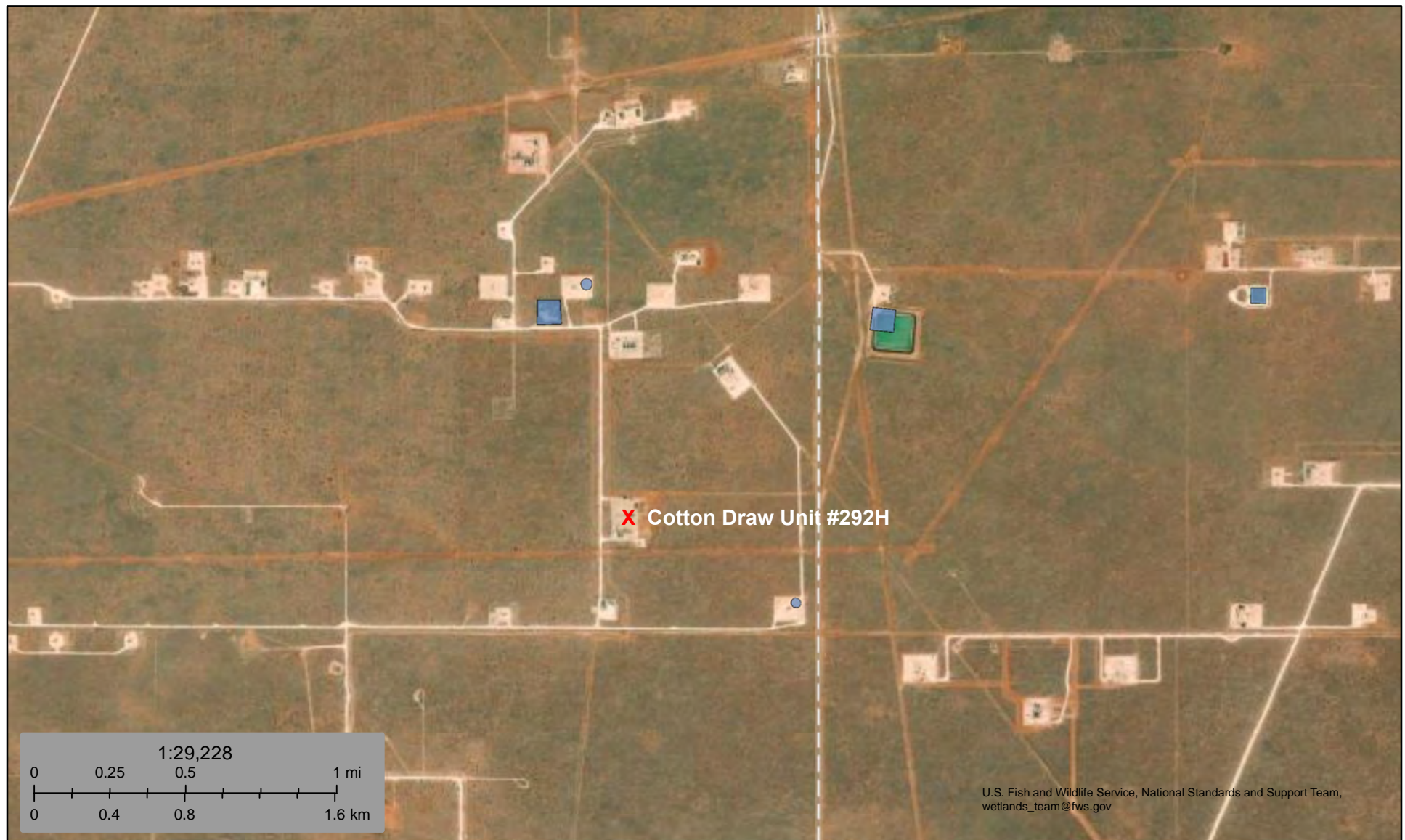
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/24/2023 at 10:19 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



June 24, 2023

Wetlands_Alaska

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

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

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

Form C-141
Revised August 8, 2011

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 Co LP (6137)	Contact: Jeff Heath, Devon Completions Asst. Foreman
Address: PO Box 250 Artesia, NM 88211	Telephone No. 575-513-2274
Facility Name: Cotton Draw Unit #292H	Facility Type: Oil Well
Surface Owner: State	Mineral Owner: State
API No. 30-015-43261	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	36	24S	31E	1785	South	1882	West	Eddy

Latitude: **32.171190** Longitude: **-103.733350**

NATURE OF RELEASE

Type of Release: Treated Produced Water	Volume of Release: 15 barrels	Volume Recovered: 0 barrels
Source of Release: Water Transfer Line	Date and Hour of Occurrence 1/20/2016; 4:00 AM	Date and Hour of Discovery 1/20/2016; 4:00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher - OCD	
By Whom? Jeff Heath - Devon Completions Asst. Foreman	Date and Hour: 1/20/2016; 4:00 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	
If a Watercourse was Impacted, Describe Fully.* NA		

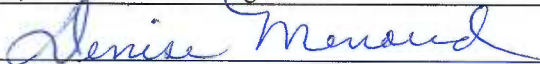
Describe Cause of Problem and Remedial Action Taken.*

A treated produced water transfer line going from the Trionyx Water Treatment Pond to the Cotton Draw Unit #292H developed a leak on to the lease road and the pipeline easement following the lease road. The water pumps were shut down immediately, line pinchers were applied to stop the release and isolate the damaged area, and the damaged section of line was replaced. The line had been split and the cause is under investigation at this time, but it appears to have been struck by a vehicle.

Describe Area Affected and Cleanup Action Taken.*

The spill area affected is approximately 50' x 200' on the pipeline easement following the lease road. A central location of the spill is: Lat - N 32.17119; Long - W -103.73335, running North and South, and is approximately 0.8 miles Southwest of the Cotton Draw Unit #292H. An estimated 15 barrels of treated produced water was spilled and none was recovered, all water soaked into the sand. An environmental company will be called to test and create a remediation plan for submittal.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Denise Menoud	Approved by Environmental Specialist:	
Title: Field Admin Support	Approval Date:	Expiration Date:
E-mail Address: Denise.Menoud@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/21/2016 Phone: 575-746-5544		

* Attach Additional Sheets If Necessary



Cotton Draw Unit 292H

PW Spill 1/20/2016

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.

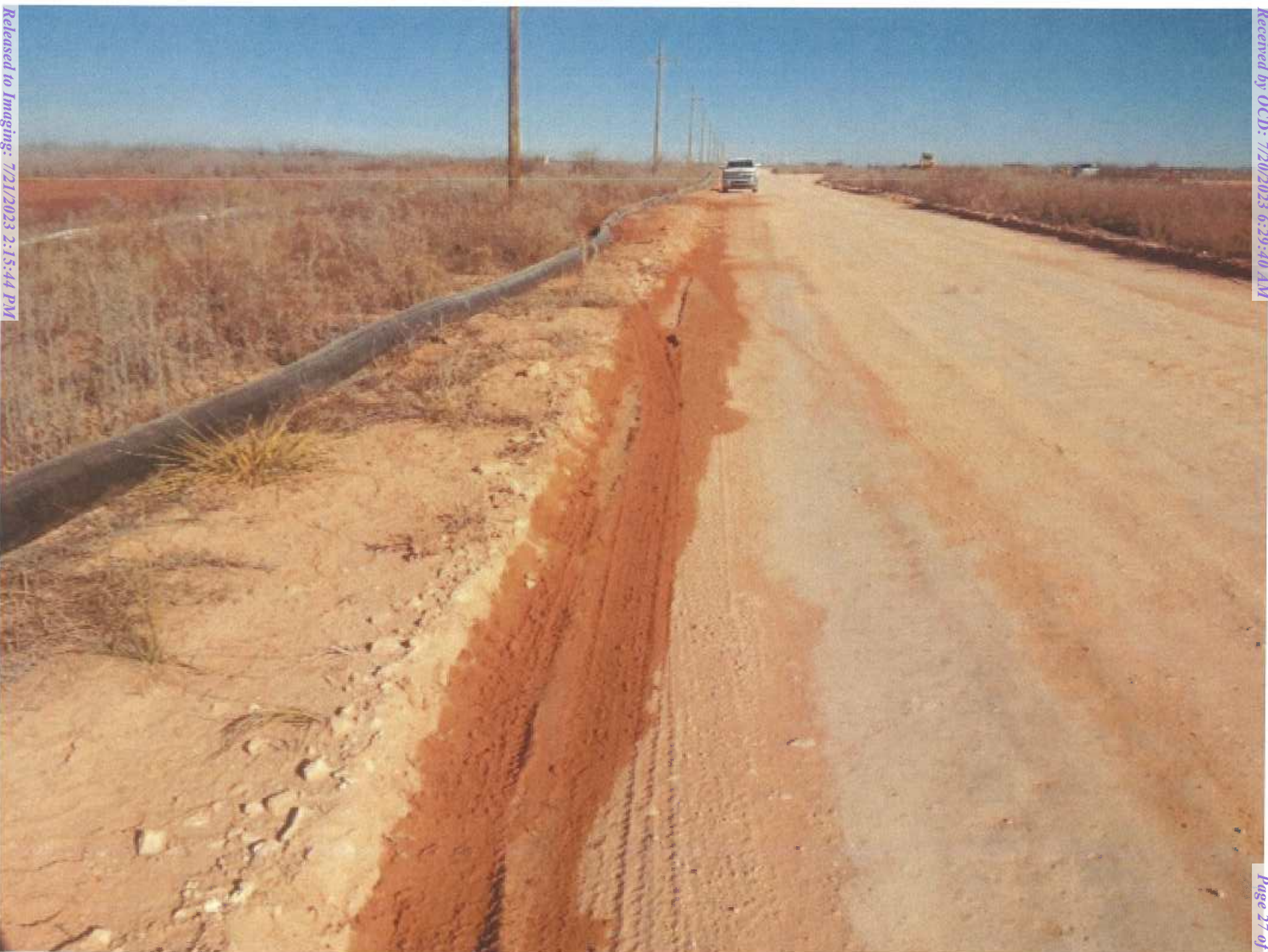
WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: D Menoud
Map is current as of: 22-Jan-2016



Miles

0 0.04 0.07 0.14 1:7,114







Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAB1602526481
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: 7/20/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	NAB1602526481
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 7/20/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

Appendix D

Photographic Documentation



SITE PHOTOGRAPHS **DEVON ENERGY – Cotton Draw Unit 292H**

Assessment:





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #292H

Work Order: E307024

Job Number: 01058-0007

Received: 7/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/14/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #292H
Workorder: E307024
Date Received: 7/11/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/11/2023 8:15:00AM, under the Project Name: Cotton Draw Unit #292H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #292H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 3'	7
S1 - 4'	8
S2 - 1'	9
S2 - 3'	10
S2 - 4'	11
S3 - 1'	12
S3 - 3'	13
S3 - 4'	14
S4 - 1'	15
S4 - 3'	16
S4 - 4'	17
S5 - 1'	18
S5 - 3'	19
S5 - 4'	20
S6 - 1'	21
S6 - 3'	22
S6 - 4'	23
SW1	24
SW2	25

Table of Contents (continued)

SW3	26
SW4	27
SW5	28
SW6	29
QC Summary Data	30
QC - Volatile Organic Compounds by EPA 8260B	30
QC - Nonhalogenated Organics by EPA 8015D - GRO	32
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	34
QC - Anions by EPA 300.0/9056A	36
Definitions and Notes	38
Chain of Custody etc.	39

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/14/23 10:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E307024-01A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S1 - 3'	E307024-02A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S1 - 4'	E307024-03A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 1'	E307024-04A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 3'	E307024-05A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S2 - 4'	E307024-06A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 1'	E307024-07A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 3'	E307024-08A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S3 - 4'	E307024-09A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 1'	E307024-10A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 3'	E307024-11A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S4 - 4'	E307024-12A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 1'	E307024-13A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 3'	E307024-14A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S5 - 4'	E307024-15A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 1'	E307024-16A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 3'	E307024-17A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
S6 - 4'	E307024-18A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW1	E307024-19A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW2	E307024-20A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW3	E307024-21A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW4	E307024-22A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW5	E307024-23A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.
SW6	E307024-24A	Soil	07/07/23	07/11/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S1 - 1'

E307024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	100 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	100 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	104 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S1 - 3'

E307024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	96.1 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S1 - 4'

E307024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	94.7 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S2 - 1'

E307024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/11/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/11/23	
Toluene	ND	0.0250	1	07/11/23	07/11/23	
o-Xylene	ND	0.0250	1	07/11/23	07/11/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/11/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	105 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/11/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		07/11/23	07/11/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		07/11/23	07/11/23	
Surrogate: Toluene-d8	105 %	70-130		07/11/23	07/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	95.1 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S2 - 3'

E307024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	90.7 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S2 - 4'

E307024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	90.2 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S3 - 1'

E307024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.3 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	94.2 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S3 - 3'

E307024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	91.7 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S3 - 4'

E307024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	101 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	86.0 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S4 - 1'

E307024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/11/23	
Surrogate: n-Nonane	88.7 %	50-200		07/11/23	07/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S4 - 3'

E307024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	94.4 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S4 - 4'

E307024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	93.3 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S5 - 1'

E307024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	96.0 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S5 - 3'

E307024-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	91.9 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S5 - 4'

E307024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	104 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	104 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	90.4 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S6 - 1'

E307024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	94.5 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S6 - 3'

E307024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	92.6 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

S6 - 4'

E307024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	87.3 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW1

E307024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	94.7 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW2

E307024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.2 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328021
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.2 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2328016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	93.8 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328017
Chloride	ND	20.0	1	07/11/23	07/12/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW3

E307024-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	109 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW4

E307024-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	103 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	111 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW5

E307024-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	112 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



Sample Data

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

Project Name: Cotton Draw Unit #292H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/14/2023 10:53:02AM

SW6

E307024-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Benzene	ND	0.0250	1	07/11/23	07/12/23	
Ethylbenzene	ND	0.0250	1	07/11/23	07/12/23	
Toluene	ND	0.0250	1	07/11/23	07/12/23	
o-Xylene	ND	0.0250	1	07/11/23	07/12/23	
p,m-Xylene	ND	0.0500	1	07/11/23	07/12/23	
Total Xylenes	ND	0.0250	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2328026
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/23	07/12/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/11/23	07/12/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		07/11/23	07/12/23	
Surrogate: Toluene-d8	102 %	70-130		07/11/23	07/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2328015
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/23	07/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/23	07/12/23	
Surrogate: n-Nonane	115 %	50-200		07/11/23	07/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2328020
Chloride	ND	20.0	1	07/11/23	07/11/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328021-BLK1)

Prepared: 07/11/23 Analyzed: 07/11/23

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	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2328021-BS1)

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.25	0.0250	2.50		89.9	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.1	70-130			
Toluene	2.26	0.0250	2.50		90.3	70-130			
o-Xylene	2.29	0.0250	2.50		91.4	70-130			
p,m-Xylene	4.58	0.0500	5.00		91.5	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2328021-MS1)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.29	0.0250	2.50	ND	91.5	48-131			
Ethylbenzene	2.23	0.0250	2.50	ND	89.2	45-135			
Toluene	2.26	0.0250	2.50	ND	90.6	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.2	43-135			
p,m-Xylene	4.62	0.0500	5.00	ND	92.5	43-135			
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2328021-MSD1)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Benzene	2.41	0.0250	2.50	ND	96.2	48-131	4.99	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.9	45-135	6.11	27	
Toluene	2.40	0.0250	2.50	ND	96.0	48-130	5.83	24	
o-Xylene	2.47	0.0250	2.50	ND	98.6	43-135	5.59	27	
p,m-Xylene	4.90	0.0500	5.00	ND	97.9	43-135	5.73	27	
Total Xylenes	7.36	0.0250	7.50	ND	98.1	43-135	5.68	27	
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328026-BLK1)

Prepared: 07/11/23 Analyzed: 07/12/23

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	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2328026-BS1)

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.31	0.0250	2.50		92.3	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.1	70-130			
Toluene	2.30	0.0250	2.50		91.9	70-130			
o-Xylene	2.36	0.0250	2.50		94.5	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130			
Total Xylenes	7.00	0.0250	7.50		93.4	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2328026-MS1)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.38	0.0250	2.50	ND	95.1	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135			
Toluene	2.32	0.0250	2.50	ND	92.7	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.4	43-135			
p,m-Xylene	4.78	0.0500	5.00	ND	95.5	43-135			
Total Xylenes	7.19	0.0250	7.50	ND	95.8	43-135			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike Dup (2328026-MSD1)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Benzene	2.36	0.0250	2.50	ND	94.5	48-131	0.675	23	
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135	0.00	27	
Toluene	2.33	0.0250	2.50	ND	93.2	48-130	0.495	24	
o-Xylene	2.45	0.0250	2.50	ND	98.2	43-135	1.77	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	1.34	27	
Total Xylenes	7.29	0.0250	7.50	ND	97.2	43-135	1.48	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328021-BLK1)

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2328021-BS2)

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2328021-MS2)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike Dup (2328021-MSD2)

Source: E307024-03

Prepared: 07/11/23 Analyzed: 07/11/23

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	1.34	20	
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328026-BLK1)

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2328026-BS2)

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2328026-MS2)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2328026-MSD2)

Source: E307024-22

Prepared: 07/11/23 Analyzed: 07/12/23

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328015-BLK1)

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2328015-BS1)

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2328015-MS1)

Source: E307023-06

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			

Matrix Spike Dup (2328015-MSD1)

Source: E307023-06

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.881	20	
Surrogate: n-Nonane	43.2		50.0		86.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2328016-BLK1)

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	44.2		50.0		88.4	50-200			

LCS (2328016-BS1)

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	247	25.0	250		98.8	38-132			
Surrogate: <i>n</i> -Nonane	46.6		50.0		93.2	50-200			

Matrix Spike (2328016-MS1)

Source: E307024-14

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: <i>n</i> -Nonane	46.5		50.0		93.0	50-200			

Matrix Spike Dup (2328016-MSD1)

Source: E307024-14

Prepared: 07/11/23 Analyzed: 07/11/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	5.10	20	
Surrogate: <i>n</i> -Nonane	44.8		50.0		89.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

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 (2328017-BLK1)					Prepared: 07/11/23 Analyzed: 07/12/23				
Chloride	ND	20.0							
LCS (2328017-BS1)					Prepared: 07/11/23 Analyzed: 07/12/23				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2328017-MS1)					Source: E307024-01		Prepared: 07/11/23 Analyzed: 07/12/23		
Chloride	248	20.0	250	ND	99.1	80-120			
Matrix Spike Dup (2328017-MSD1)					Source: E307024-01		Prepared: 07/11/23 Analyzed: 07/12/23		
Chloride	252	20.0	250	ND	101	80-120	1.60	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/14/2023 10:53:02AM

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 (2328020-BLK1)					Prepared: 07/11/23 Analyzed: 07/11/23				
Chloride	ND	20.0							
LCS (2328020-BS1)					Prepared: 07/11/23 Analyzed: 07/11/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2328020-MS1)					Source: E307024-21		Prepared: 07/11/23 Analyzed: 07/11/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2328020-MSD1)					Source: E307024-21		Prepared: 07/11/23 Analyzed: 07/11/23		
Chloride	254	20.0	250	ND	102	80-120	0.871	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #292H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/14/23 10:53

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

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Cotton Draw Unit #292H</u>					Attention: <u>Devon</u>		Lab WO# <u>E307024</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method									
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-325</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks										
8:50	7/7	S	1	51-1'	1	X										
8:55			2	51-3'	2											
9:00			3	51-4'	3											
9:05			4	52-1'	4											
9:10			5	52-3'	5											
9:15			6	52-4'	6											
9:20			7	53-1'	7											
9:25			8	53-3'	8											
9:30			9	53-4'	9											
9:35			10	54-1'	10											
Additional Instructions: <u>WO# 21180445</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.						
Sampled by:										Lab Use Only						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>(Y)</u> N								
<u>Karime Adams</u>		<u>7/10/23</u>	<u>2:30</u>	<u>Michelle Cunniff</u>		<u>7-10-23</u>	<u>1430</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Cunniff</u>		<u>7-10-23</u>	<u>1745</u>	<u>Andrew Muzzo</u>		<u>7-10-23</u>	<u>1745</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrew Muzzo</u>		<u>7-10-23</u>	<u>2:33</u>	<u>Carla Man</u>		<u>7/11/23</u>	<u>8:15</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: Cotton Draw Unit #2924					Attention: <u>Devan</u>		Lab WO# <u>E367024</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:												
Address: 5614 N. Lovington Hwy.					City, State, Zip												
City, State, Zip Hobbs, NM, 88240					Phone:											RCRA	
Phone: 580-748-1613					Email:												
Email: tom@pimaoil.com					Pima Project # <u>1-325</u>												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX		Remarks
8:00	7/7	S	11	S4-3'	11									X			
8:05			12	S4-4'	12												
8:10			13	S5-1'	13												
8:15			14	S5-3'	14												
8:20			15	S5-4'	15												
8:25			16	S6-1'	16												
8:30			17	S6-3'	17												
8:35			18	S6-4'	18												
8:40			19	SW1	19												
8:45			20	SW2	20												
Additional Instructions: <u>WO# 21180445</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.					
Sampled by:												Lab Use Only					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <u>Y</u> / N					
<u>Kurime Adams</u>		<u>7/10/23</u>		<u>2:30</u>		<u>Michelle Coughlin</u>		<u>7-10-23</u>		<u>1430</u>							
<u>Michelle Coughlin</u>		<u>7-10-23</u>		<u>1745</u>		<u>Andrew M550</u>		<u>7-10-23</u>		<u>1745</u>		T1 _____ T2 _____ T3 _____					
<u>Andrew M550</u>		<u>7-10-23</u>		<u>2330</u>		<u>Keith Man</u>		<u>7/11/23</u>		<u>8:15</u>		AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 7/11/2023 10:38:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/11/23 08:15	Work Order ID:	E307024
Phone:	(575) 631-6977	Date Logged In:	07/11/23 08:35	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Incorrect # of containers listed on COC when received from client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: Cotton Draw Unit #292H					Attention: Devon		Lab WO# E307024		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
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 # 1-325											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	7/7	S	1+	S1-1'	1							X		Corrected # of Containers. 7/11/23 CMU
8:55			12	S1-3'	2									
9:00			3	S1-4'	3									
9:05			4	S2-1'	4									
9:10			5	S2-3'	5									
9:15			6	S2-4'	6									
9:20			7	S3-1'	7									
9:25			*	S3-3'	8									
9:30			7	S3-4'	9									
9:35			10	S4-1'	10									

Additional Instructions: WO# 21180445

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: _____

Relinquished by: (Signature) Karime Adams	Date 7/10/23	Time 2:30	Received by: (Signature) Michelle Cuncade	Date 7-10-23	Time 1430
Relinquished by: (Signature) Michelle Cuncade	Date 7-10-23	Time 1745	Received by: (Signature) Andrew Mvssso	Date 7-10-23	Time 1745
Relinquished by: (Signature) Andrew Mvssso	Date 7-10-23	Time 2330	Received by: (Signature) Caitlin Man	Date 7/11/23	Time 8:15

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

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

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


envirotech

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program		
Project: <u>Cotton Draw Unit #2924</u>					Attention: <u>Revan</u>		Lab WO# <u>E 307024</u> Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip									RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:										
Phone: <u>580-748-1613</u>					Email:										
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-325</u>										
Report due by:															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	TX	State	Remarks
8:00	7/7	S	11	54-3'	11							X			
8:05			12	54-4'	12										
8:10			13	55-1'	13										
8:15			14	55-3'	14										
8:20			15	55-4'	15										
8:25			16	56-1'	16										
8:30			17	56-3'	17										
8:35			18	56-4'	18										
8:40			19	5w1	19										
8:45			20	5w2	20										
Additional Instructions: <u>WO# 21180445</u>															
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>Karime Adams</u>		<u>7/10/23</u>	<u>2:30</u>	<u>Michelle Gump</u>		<u>7-10-23</u>	<u>1430</u>	Received on ice: <u>Y/N</u>							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3							
<u>Michelle Gump</u>		<u>7-10-23</u>	<u>1745</u>	<u>Andrew Messo</u>		<u>7-10-23</u>	<u>1745</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>							
<u>Andrew Messo</u>		<u>7-10-23</u>	<u>2330</u>	<u>Keith Man</u>		<u>7/11/23</u>	<u>8:15</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
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Project Information

Chain of Custody

[illegible]

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

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

CONDITIONS

Action 242427

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 242427
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	7/21/2023