

Volume calculator

There was no volume calculator prepared when the spill occurred.

Devon Energy Production Company, LP
6488 Seven Rivers Hwy
Artesia, NM 88210
575-748-0167

June 20, 2024

Bureau of Land Management
620 East Green St.
Carlsbad, NM 88220

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

Re: Remediation Closure Report
Cotton Draw Unit 153H API # 30-015-38535
GPS: Latitude 32.1661758 Longitude -103.7636108
ULSTR – B – 3 – 23S – 31E 200FNL 1980FEL Eddy County, NM
NMOCD Incident ID nAB1626342939

This produced water release that occurred at the Cotton Draw Unit 153H (CDU) was initially discovered on September 14, 2016. The initial C-141 was submitted on September 15, 2016. This incident was assigned Incident ID nAB1626342939 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

Site information and characterization documents can be found in the previously denied Remediation Closure Report located in OCD Online: Permitting – Action Status, under the Application ID: 223936.

Release Information

nAB1626342939: On September 14, 2016, corrosion developed on the side of a transfer pump, releasing approximately 42 gallons of produced water. The well and water injection pump was shut down immediately to prevent further releases. Approximately 39 gallons spilled into the lined containment and 3 gallons sprayed into the western portion of the pasture. The approximate area affected was 6 feet by 6 feet in the pasture west of the water injection pump. The liner was checked for holes, no holes were found. A vacuum truck recovered approximately 39 gallons of produced water.

Countermeasures due to Remediation Closure Report Denied

On October 27, 2023, the NMOCD denied the remediation closure report citing:

“The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1626324929, for the following reasons:

- **The Closure Report is Denied. Please collect confirmation samples, representing no more than 200 ft². The closure report includes an inadequate number of floor samples.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 223936. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.”

On June 14, 2024, Pima Environmental mobilized personnel and equipment to the site to collect further, more extensive delineation samples from the release area. Samples were collected from 6 different sample points representing the base of the release area to show vertical delineation. These base samples were collected from depths of Surface, 1', 2', 3', and 4' from each sample point. Samples were also collected from 4 different sample points around the edges of the release area to show horizontal delineation. These samples were composite samples consisting of Surface, 1', 2', 3', and 4' from each sample point. A total of 34 samples were collected, put on ice, jarred, and delivered to Envirotech Labs for official testing of all constituents. The results of this sampling event can be found in the

Data Table in Figure 1. Also included in this report is the liner inspection portion of the previous report. The 48-Hour notification, liner inspection form, and photographic documentation can be found in Appendix A.

Approval Request

The laboratory results of this sampling event show the contaminants in this release area to be under the regulatory limits as per Table 1 19.15.29 NMAC, depth to groundwater column <50'. A Confirmation Sample Map can be found in Figure 2. A complete Laboratory Report can be found in Appendix D. Current Photographic Documentation can be found in Appendix C.

On behalf of Devon, Pima requests that this Remediation Closure Report for incident ID# nAB1626342929 be approved. Devon has complied with the applicable closure requirements outlined in rule 19.15.29.12 NMAC.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Dale Woodall at 575-748-0167 or dale.woodall@devon.com.

Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Data Table
- 2- Confirmation Sample Map

Appendices:

Appendix A – Previously Submitted Liner Inspection Portion

Appendix B – NMOCD Correspondence

Appendix C – Photographic Documentation

Appendix D – Laboratory Report



Figures:

1 - Data Table

2 - Confirmation Sample Map

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - COTTON DRAW UNIT #153H - nAB1626342939								
Date: 6/14/2023			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	CI mg/kg
CS1-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS1-1'	1'	ND	ND	ND	ND	ND	0	ND
CS1-2'	2'	ND	ND	ND	ND	ND	0	ND
CS1-3'	3'	ND	ND	ND	ND	ND	0	ND
CS1-4'	4'	ND	ND	ND	ND	ND	0	ND
CS2-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS2-1'	1'	ND	ND	ND	ND	ND	0	ND
CS2-2'	2'	ND	ND	ND	ND	ND	0	ND
CS2-3'	3'	ND	ND	ND	ND	ND	0	ND
CS2-4'	4'	ND	ND	ND	ND	ND	0	ND
CS3-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS3-1'	1'	ND	ND	ND	ND	ND	0	ND
CS3-2'	2'	ND	ND	ND	ND	ND	0	ND
CS3-3'	3'	ND	ND	ND	ND	ND	0	ND
CS3-4'	4'	ND	ND	ND	ND	ND	0	ND
CS4-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS4-1'	1'	ND	ND	ND	ND	ND	0	ND
CS4-2'	2'	ND	ND	ND	ND	ND	0	ND
CS4-3'	3'	ND	ND	ND	ND	ND	0	ND
CS4-4'	4'	ND	ND	ND	ND	ND	0	ND
CS5-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS5-1'	1'	ND	ND	ND	ND	ND	0	ND
CS5-2'	2'	ND	ND	ND	ND	ND	0	ND
CS5-3'	3'	ND	ND	ND	ND	ND	0	ND
CS5-4'	4'	ND	ND	ND	ND	ND	0	ND
CS6-Surface	0'	ND	ND	ND	ND	ND	0	ND
CS6-1'	1'	ND	ND	ND	ND	ND	0	ND
CS6-2'	2'	ND	ND	ND	ND	ND	0	ND
CS6-3'	3'	ND	ND	ND	ND	ND	0	ND
CS6-4'	4'	ND	ND	ND	ND	ND	0	ND
CSW1 (0-4') Comp	0-4'	ND	ND	ND	ND	ND	0	ND
CSW2 (0-4') Comp	0-4'	ND	ND	ND	ND	ND	0	ND
CSW3 (0-4') Comp	0-4'	ND	ND	ND	ND	ND	0	ND
CSW4 (0-4') Comp	0-4'	ND	ND	ND	ND	ND	0	ND

Cotton Draw Unit 153H

Devon Energy
API #30-015-38535
Eddy County, NM
nAB1626342929
Confirmation Sample Map

Legend

- Confirmation base samples
- Confirmation sidewall samples
- Release area - 1,244 sqft



Google Earth



2000 ft



Appendix A

Previously Submitted Liner
Inspection Portion

From: sebastian@pimaoil.com
To: ocdonline@state.nm.us
Cc: tom@pimaoil.com; Polly@pimaoil.com
Subject: Cotton Draw Unit #153H (Nab1626342939) - Liner Inspection
Date: Wednesday, May 31, 2023 9:47:49 AM
Attachments: [image001.png](#)

Good morning,

Pima Environmental would like to notify you that we will be conducting a liner inspection at the Cotton Draw Unit #153H (Nab1626342939), on Friday June 2, 2023. Pima personnel will be on location at 10:00 am. Thank you.

Respectfully,
Sebastian Orozco
Environmental Professional
5614 N Lovington Hwy,
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell





Liner Inspection Form

Company Name: Devon EnergySite: Cotton Draw Unit #153HLat/Long: 32.1661758, -103.7636108NMOCD Incident ID
& Incident Date: nAB1626342939 9/14/20162-Day Notification
Sent: via Email by Sebastian Orozco 5/31/2023Inspection Date: 6/2/2023

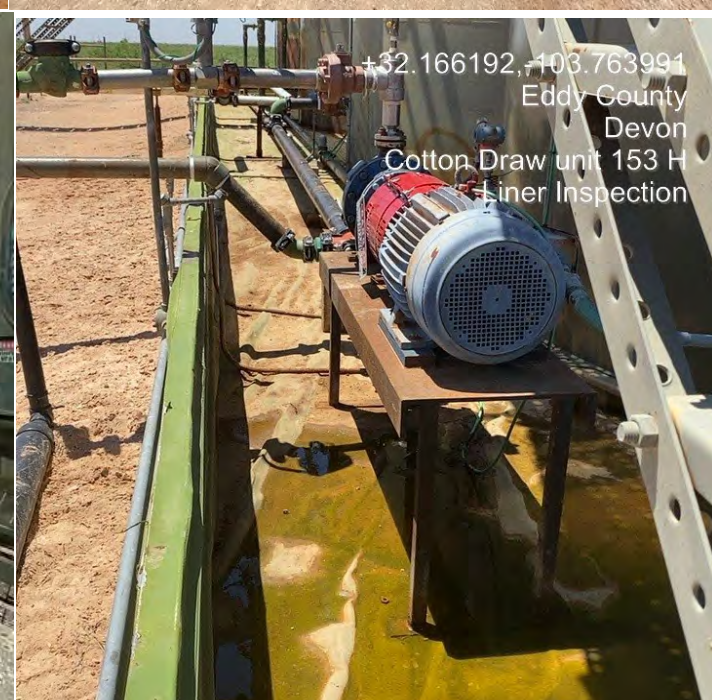
Liner Type: Earthen w/liner Earthen no liner Polystar
 Steel w/poly liner Steel w/spray epoxy No Liner

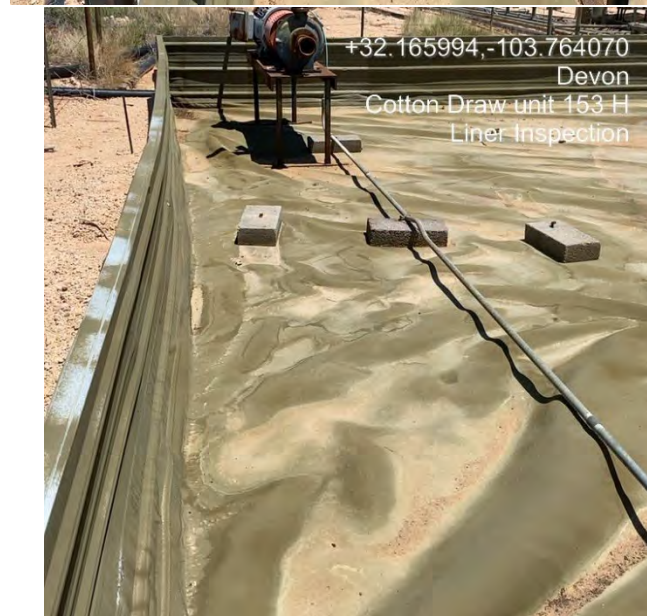
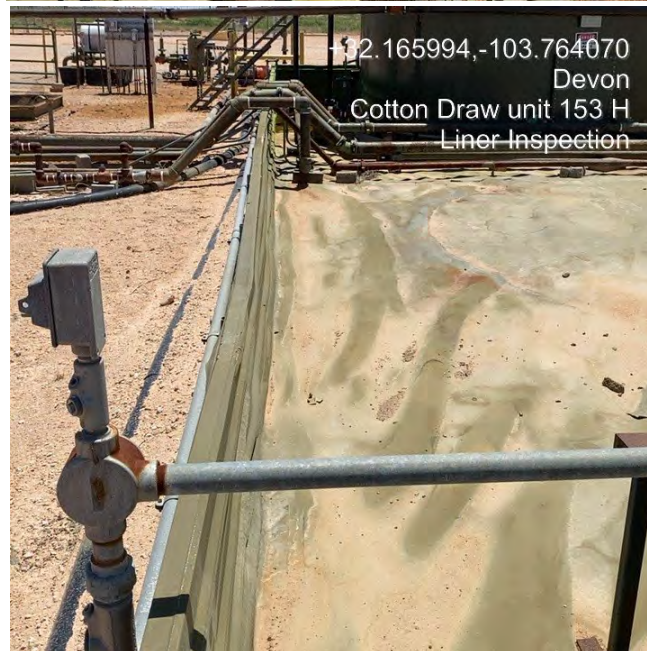
Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Rainwater
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Andrew FrancoInspector Signature: Andrew Franco











Appendix B

NMOCD Correspondence

From: Hamlet, Robert, EMNRD
To: tom@pimaoil.com
Cc: "Woodall, Dale"; "Gio PimaOil"; "Polly Pima Oil"; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 223936
Date: Tuesday, October 31, 2023 8:34:39 AM
Attachments: [image003.png](#)

Tom,

3 gallons or 42 gallons wouldn't meet the 5 bbls liquid threshold for reporting of a minor release. Since an initial C-141 was submitted and an incident number was generated, the release will need to be remediated and closed. Let me know what you find out.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: tom@pimaoil.com <tom@pimaoil.com>
Sent: Tuesday, October 31, 2023 8:25 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Woodall, Dale' <Dale.Woodall@dyn.com>; 'Gio PimaOil' <gio@pimaoil.com>; 'Polly Pima Oil' <polly@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 223936

Good morning Robert,

My apologies, I was reading the initial C141 which mentions 42 gallons released and 39 gallons recovered. I believe they reported it because of the affect on the pasture.

Maybe it was entered into the system incorrectly, as barrels? The C141 seems pretty thorough about it being gallons.

In any case, I will go back to our file and check the sample point coordinates again to make sure our map is accurate. If there is a mistake there we will correct it and get this resubmitted. Sorry for the confusion.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740

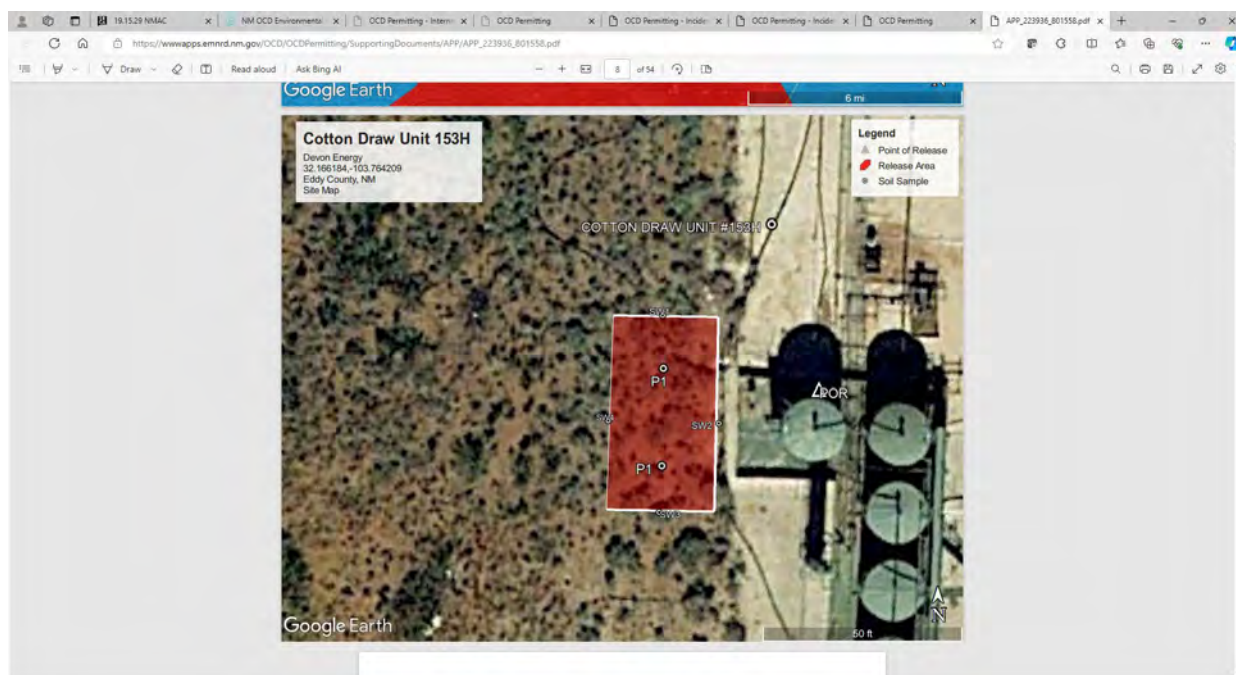


Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, October 31, 2023 8:02 AM
To: tom@pimaoil.com
Cc: 'Woodall, Dale' <Dale.Woodall@dyn.com>; 'Gio PimaOil' <gio@pimaoil.com>; 'Polly Pima Oil' <polly@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 223936

Tom,

The Incident page has a Produced Water release of 42bbls and 39bbls recovered. The site map in report shows the release area is roughly 30' x 60'. If this isn't correct, let me know.



Robert Hamlet • Environmental Specialist - Advanced
 Environmental Bureau
 EMNRD - Oil Conservation Division
 506 W. Texas Ave., Artesia, NM 88210
 575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: tom@pimaoil.com <tom@pimaoil.com>
Sent: Monday, October 30, 2023 6:44 AM
To: ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Woodall, Dale' <Dale.Woodall@dyn.com>; 'Gio PimaOil' <gio@pimaoil.com>; 'Polly Pima Oil' <polly@pimaoil.com>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 223936

Good morning Robert,

Is it possible that we have a mix up here? The original description of the spill stated there was a 6' x 6' area west of the battery that was affected by approximately 3 gallons of overspray. We assessed a slightly larger area than that 36 square feet collecting 2 floor samples and 4 sidewalls. Per the rule, these are more than sufficient to confirm the soil is free of contaminants, would you agree?

THANK YOU,

Tom Bynum

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



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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, October 27, 2023 12:49:24 PM
To: Woodall, Dale <Dale.Woodall@dyn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 223936

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1626342939, for the following reasons:

- **The Closure Report is Denied.** Please collect confirmation samples, representing no more than 200 ft². The closure report includes an inadequate number of floor

samples.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 223936.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,

Robert Hamlet

575-748-1283

Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.



Appendix C

Photographic Documentation









Appendix D

Laboratory Report

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E406152

Job Number: 01058-0007

Received: 6/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/19/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/19/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E406152
Date Received: 6/18/2024 5:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/18/2024 5:45:00AM, under the Project Name: Cotton Draw Unit 153H.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1-Surface	6
CS1-1'	7
CS1-2'	8
CS1-3'	9
CS1-4'	10
CS2-Surface	11
CS2-1'	12
CS2-2'	13
CS2-3'	14
CS2-4'	15
CS3-Surface	16
CS3-1'	17
CS3-2'	18
CS3-3'	19
CS3-4'	20
CS4-Surface	21
CS4-1'	22
CS4-2'	23
CS4-3'	24
CS4-4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/19/24 15:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-Surface	E406152-01A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS1-1'	E406152-02A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS1-2'	E406152-03A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS1-3'	E406152-04A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS1-4'	E406152-05A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS2-Surface	E406152-06A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS2-1'	E406152-07A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS2-2'	E406152-08A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS2-3'	E406152-09A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS2-4'	E406152-10A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS3-Surface	E406152-11A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS3-1'	E406152-12A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS3-2'	E406152-13A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS3-3'	E406152-14A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS3-4'	E406152-15A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS4-Surface	E406152-16A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS4-1'	E406152-17A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS4-2'	E406152-18A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS4-3'	E406152-19A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS4-4'	E406152-20A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/19/2024 3:27:56PM

CS1-Surface

E406152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2425028	
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2425028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2425022	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425030	
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:27:56PM

CS1-1'

E406152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS1-2'
E406152-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:27:56PM

CS1-3'

E406152-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	81.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS1-4'
E406152-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2-Surface
E406152-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	77.3 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2-1'
E406152-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	79.2 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2-2'
E406152-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2-3'
E406152-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2-4'
E406152-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	78.9 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-Surface
E406152-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	78.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-1'
E406152-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	79.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-2'
E406152-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	95.4 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-3'
E406152-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/19/2024 3:27:56PM
---	---	----------------------------------

CS3-4'
E406152-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	92.2 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4-Surface
E406152-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:27:56PM

CS4-1'

E406152-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	92.3 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:27:56PM

CS4-2'

E406152-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	93.9 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:27:56PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4-3'
E406152-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/19/2024 3:27:56PM
---	---	----------------------------------

CS4-4'
E406152-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425028
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425022
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425030
Chloride	ND	20.0	1	06/18/24	06/18/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:27:56PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2425028-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.1	70-130			

LCS (2425028-BS1) Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	4.78	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.73	0.0250	5.00		94.7	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.40	0.0500	10.0		94.0	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike (2425028-MS1) Source: E406152-03 Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	4.91	0.0250	5.00	ND	98.1	54-133			
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133			
Toluene	4.85	0.0250	5.00	ND	96.9	61-130			
o-Xylene	4.72	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.62	0.0500	10.0	ND	96.2	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike Dup (2425028-MSD1) Source: E406152-03 Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	4.97	0.0250	5.00	ND	99.4	54-133	1.33	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	1.78	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	1.51	20	
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131	1.82	20	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131	1.66	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	1.71	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:27:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2425028-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

LCS (2425028-BS2) Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike (2425028-MS2) Source: E406152-03 Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

Matrix Spike Dup (2425028-MSD2) Source: E406152-03 Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	7.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:27:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2425022-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	50-200			

LCS (2425022-BS1) Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
Surrogate: n-Nonane	49.8		50.0		99.7	50-200			

Matrix Spike (2425022-MS1) Source: E406152-08 Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2425022-MSD1) Source: E406152-08 Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	311	25.0	250	ND	124	38-132	1.82	20	
Surrogate: n-Nonane	51.5		50.0		103	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:27:56PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2425030-BLK1)					Prepared: 06/18/24 Analyzed: 06/18/24				
Chloride	ND	20.0							
LCS (2425030-BS1)					Prepared: 06/18/24 Analyzed: 06/18/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2425030-MS1)					Source: E406152-02		Prepared: 06/18/24 Analyzed: 06/18/24		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2425030-MSD1)					Source: E406152-02		Prepared: 06/18/24 Analyzed: 06/18/24		
Chloride	254	20.0	250	ND	102	80-120	0.547	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 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/19/24 15:27

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services Project: Cotton Draw Unit 153 # Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-1					Lab Use Only Lab WO# E 406152 Job Number 0658-0007 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX							
8:00	6/14	S	1	CS1-Surface	1							X								
8:06				CS1-1'	2															
8:18				CS1-2'	3															
8:21				CS1-3'	4															
8:25				CS1-4'	5															
8:34				CS2-Surface	6															
8:38				CS2-1'	7															
8:46				CS2-2'	8															
8:51				CS2-3'	9															
9:00				CS2-4'	10															
Additional Instructions: Billing # 21165284																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																				
Relinquished by: (Signature) Karime Adame Date 6/17/24 Time 1:21 Received by: (Signature) Michelle Gonzales Date 6-17-24 Time 1321																				
Relinquished by: (Signature) Michelle Gonzales Date 6-17-24 Time 1600 Received by: (Signature) Andrew Hutto Date 6-17-24 Time 1730																				
Relinquished by: (Signature) Andrew Hutto Date 6-17-24 Time 2315 Received by: (Signature) Kuyuph R Heed Date 6-18-24 Time 0545																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services Project: Cotton Draw Unit 153 H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-1		Lab Use Only Lab WO# E406152 Job Number 01058-0007		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>		EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
				Analysis and Method DRO/DRO by 8015 <input type="checkbox"/> GRO/DRO by 8015 <input type="checkbox"/> BTX by 8021 <input type="checkbox"/> VOC by 8260 <input type="checkbox"/> Metals 6010 <input type="checkbox"/> Chloride 300.0 <input type="checkbox"/> BGDOC NM <input checked="" type="checkbox"/> BGDOC TX <input type="checkbox"/>		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:10	6/14	S	1	CS3-Surface	11							X		
9:17				CS3-1'	12									
9:21				CS3-2'	13									
9:26				CS3-3'	14									
9:31				CS3-4'	15									
9:37				CS4-Surface	16									
9:39				CS4-1'	17									
9:42				CS4-2'	18									
9:50				CS4-3'	19									
9:58				CS4-4'	20									

Additional Instructions: Billing # 21165284

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) Karine Adams	Date 6/17/24	Time 1:21	Received by: (Signature) Michelle Gonzales	Date 6-17-24	Time 1321	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) Michelle Gonzales	Date 6-17-24	Time 1600	Received by: (Signature) Andrew M880	Date 6-17-24	Time 1730	
Relinquished by: (Signature) Andrew M880	Date 6-17-24	Time 2315	Received by: (Signature) Thuykha R Hall	Date 6-18-24	Time 0545	

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

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

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

Envirotech Analytical Laboratory

Printed: 6/18/2024 10:31:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/18/24 05:45	Work Order ID:	E406152
Phone:	(575) 631-6977	Date Logged In:	06/17/24 16:32	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	06/18/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

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

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E406153

Job Number: 01058-0007

Received: 6/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/19/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/19/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E406153
Date Received: 6/18/2024 5:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/18/2024 5:45:00AM, under the Project Name: Cotton Draw Unit 153H.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS5-Surface	6
CS5-1'	7
CS5-2'	8
CS5-3'	9
CS5-4'	10
CS6-Surface	11
CS6-1'	12
CS6-2'	13
CS6-3'	14
CS6-4'	15
CSW1 (0-4') COMP	16
CSW2 (0-4') COMP	17
CSW3 (0-4') COMP	18
CSW4 (0-4') COMP	19
QC Summary Data	20
QC - Volatile Organic Compounds by EPA 8260B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/19/24 15:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS5-Surface	E406153-01A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS5-1'	E406153-02A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS5-2'	E406153-03A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS5-3'	E406153-04A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS5-4'	E406153-05A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS6-Surface	E406153-06A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS6-1'	E406153-07A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS6-2'	E406153-08A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS6-3'	E406153-09A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CS6-4'	E406153-10A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CSW1 (0-4') COMP	E406153-11A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CSW2 (0-4') COMP	E406153-12A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CSW3 (0-4') COMP	E406153-13A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.
CSW4 (0-4') COMP	E406153-14A	Soil	06/14/24	06/18/24	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS5-Surface

E406153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2425027	
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	06/18/24	06/18/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	06/18/24	06/18/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2425027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	06/18/24	06/18/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	06/18/24	06/18/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2425029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
<i>Surrogate: n-Nonane</i>		95.5 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2425031	
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS5-1'

E406153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		108 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		108 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		101 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS5-2'

E406153-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		113 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		113 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		101 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS5-3'

E406153-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		103 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		103 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		101 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/19/2024 3:34:58PM
---	---	----------------------------------

CS5-4'
E406153-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		105 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		100 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS6-Surface

E406153-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		104 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		104 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		100 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS6-1'

E406153-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		106 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	06/18/24	06/18/24	
Surrogate: Toluene-d8		106 %	70-130	06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane		97.2 %	50-200	06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS6-2'

E406153-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	95.9 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	95.9 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	103 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CS6-3'

E406153-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	98.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	98.2 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	95.5 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/19/2024 3:34:58PM
---	---	----------------------------------

CS6-4'
E406153-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.8 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.8 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	89.3 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:34:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1 (0-4') COMP
E406153-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	93.5 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CSW2 (0-4') COMP

E406153-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	97.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	97.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	95.2 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CSW3 (0-4') COMP

E406153-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.9 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	96.9 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	85.0 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



Sample Data

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

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

Reported:
6/19/2024 3:34:58PM

CSW4 (0-4') COMP

E406153-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Benzene	ND	0.0250	1	06/18/24	06/18/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/18/24	
Toluene	ND	0.0250	1	06/18/24	06/18/24	
o-Xylene	ND	0.0250	1	06/18/24	06/18/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/18/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	97.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2425027
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/18/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		06/18/24	06/18/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		06/18/24	06/18/24	
Surrogate: Toluene-d8	97.5 %	70-130		06/18/24	06/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2425029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/24	06/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/24	06/18/24	
Surrogate: n-Nonane	97.9 %	50-200		06/18/24	06/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425031
Chloride	ND	20.0	1	06/18/24	06/18/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 6/19/2024 3:34:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

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

Blank (2425027-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		90.0	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2425027-BS1) Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	2.22	0.0250	2.50		89.0	70-130			
Ethylbenzene	2.40	0.0250	2.50		95.8	70-130			
Toluene	2.35	0.0250	2.50		94.1	70-130			
o-Xylene	2.54	0.0250	2.50		101	70-130			
p,m-Xylene	5.00	0.0500	5.00		99.9	70-130			
Total Xylenes	7.53	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.576		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2425027-MS1) Source: E406153-05 Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	2.30	0.0250	2.50	ND	91.8	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.49	0.0250	2.50	ND	99.7	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.35	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.02	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike Dup (2425027-MSD1) Source: E406153-05 Prepared: 06/18/24 Analyzed: 06/18/24

Benzene	2.20	0.0250	2.50	ND	88.0	48-131	4.25	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135	5.77	27	
Toluene	2.35	0.0250	2.50	ND	94.1	48-130	5.78	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	6.10	27	
p,m-Xylene	5.00	0.0500	5.00	ND	99.9	43-135	6.74	27	
Total Xylenes	7.52	0.0250	7.50	ND	100	43-135	6.52	27	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:34:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2425027-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		90.0	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2425027-BS2) Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.566		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

Matrix Spike (2425027-MS2) Source: E406153-05 Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2425027-MSD2) Source: E406153-05 Prepared: 06/18/24 Analyzed: 06/18/24

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130	4.91	20	
Surrogate: Bromofluorobenzene	0.567		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:34:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2425029-BLK1) Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2425029-BS1) Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	331	25.0	250		132	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike (2425029-MS1) Source: E406153-04 Prepared: 06/18/24 Analyzed: 06/18/24

Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	51.2		50.0		102	50-200			

Matrix Spike Dup (2425029-MSD1) Source: E406153-04 Prepared: 06/18/24 Analyzed: 06/19/24

Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132	0.00729	20	
Surrogate: n-Nonane	51.4		50.0		103	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/19/2024 3:34:58PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2425031-BLK1)					Prepared: 06/18/24 Analyzed: 06/18/24				
Chloride	ND	20.0							
LCS (2425031-BS1)					Prepared: 06/18/24 Analyzed: 06/18/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2425031-MS1)					Source: E406153-03		Prepared: 06/18/24 Analyzed: 06/18/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2425031-MSD1)					Source: E406153-03		Prepared: 06/18/24 Analyzed: 06/18/24		
Chloride	255	20.0	250	ND	102	80-120	0.212	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 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/19/24 15:34

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 3 of 4

Client: <u>Pima Environmental Services</u> Unit 153 H		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cotton Draw 153 R/A Cotton Draw</u>		Attention: <u>Devon</u>		Lab WO# <u>E406153</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip											
City, State, Zip <u>Hobbs, NM. 88240</u>		Phone:											
Phone: <u>806-782-1151</u>		Email:											
Email: <u>gio@pimaoil.com</u>		Pima Project # <u>1-302-1</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	BDOC NM	BDOC TX	State	Remarks
10:00	6/14	S	1	CS5-Surface	1							X			
10:09				CS5-1'	2										
10:11				CS5-2'	3										
10:17				CS5-3'	4										
10:23				CS5-4'	5										
10:33				CS6-Surface	6										
10:39				CS6-1'	7										
10:42				CS6-2'	8										
10:47				CS6-3'	9										
10:51				CS6-4'	10										

Additional Instructions: Billing# 21165284

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>Kerime Hame</u>		<u>6/17/24</u>	<u>1:21</u>	<u>Michelle Gonzales</u>		<u>6-17-24</u>	<u>1321</u>	Received on ice: <u>Y</u> N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
<u>Michelle Gonzales</u>		<u>6-17-24</u>	<u>1600</u>	<u>Andrew Halls</u>		<u>6-17-24</u>	<u>1730</u>		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C	
<u>Andrew Halls</u>		<u>6-17-24</u>	<u>2315</u>	<u>Kyle R Hall</u>		<u>6-18-24</u>	<u>0545</u>	<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.

Project Information

Chain of Custody

Page 4 of 4

Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cotton Draw Unit 153H</u>		Attention: <u>Devon</u>		Lab WO# <u>E406153</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		Address:		Analysis and Method									
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8250		Metals 6010	
City, State, Zip <u>Hobbs, NM. 88240</u>		Phone:										Chloride 300.0	
Phone: <u>806-782-1151</u>		Email:										BGDOC NM	
Email: <u>gio@pimaoil.com</u>		Pima Project # <u>1-3021</u>										BGDOC TX	
Report due by:												State	
												NM CO UT AZ TX	
												X	
												Remarks	

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 8250	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:03	6/14	S	1	CSW1 (0-4') comp	11							X		
11:17				CSW2 (0-4') comp	12									
11:21				CSW3 (0-4') comp	13									
11:30				CSW4 (0-4') comp	14									

Additional Instructions:

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>Carime H. Hame</u>	Date <u>6/17/24</u>	Time <u>1:21</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-17-24</u>	Time <u>1321</u>	Lab Use Only
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-17-24</u>	Time <u>1600</u>	Received by: (Signature) <u>Andrew J. H. H.</u>	Date <u>6-17-24</u>	Time <u>1730</u>	Received on ice: <u>Y</u> / N
Relinquished by: (Signature) <u>Andrew J. H. H.</u>	Date <u>6-17-24</u>	Time <u>2315</u>	Received by: (Signature) <u>Myah R. H. H.</u>	Date <u>6-18-24</u>	Time <u>0545</u>	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						AVG Temp °C <u>4</u>
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						

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

Envirotech Analytical Laboratory

Printed: 6/18/2024 11:00:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/18/24 05:45	Work Order ID:	E406153
Phone:	(575) 631-6977	Date Logged In:	06/17/24 16:39	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	06/18/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

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

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

Sample Cooler

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



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

March 22nd, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Cotton Draw Unit 153H
API No. 30-015-38535
GPS: Latitude 32.1661758 Longitude -103.7636108
UL -- B, Sec. 3, T23S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1626342939

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 produced water release that occurred at the Cotton Draw Unit 153H (CDU). The initial C-141 was submitted on September 15th, 2016 (Appendix C). This incident was assigned Incident ID NAB1626342939 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The CDU is located approximately nineteen (19) miles southeast of Malaga, NM. This spill site is in Unit B, Section 3, Township 23S, Range 31E, Latitude 32.1661758 Longitude -103.7636108, 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 406.45 feet BGS. The closest waterway is the Pecos River, located approximately 15 miles to the west of this location. See Appendix A for referenced water surveys.

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

NAB1626342939: On September 14th, 2016, corrosion developed on the side of a transfer pump, releasing approximately 42 gallons of produced water. The well and water injection pump was shut down immediately to prevent further releases. Approximately 39 gallons spilled into the lined containment and 3 gallons sprayed into the western portion of the pasture. The approximate area affected

was 6 feet by 6 feet in the pasture west of the water injection pump. The liner was checked for holes, no holes were found. A vacuum truck recovered approximately 39 gallons of produced water.

Remediation Activities, Site Assessment, and Soil Sampling Results

On May 10th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the area west of the transfer pump and collected a total of twelve soil samples for laboratory analysis. Two bottom soil samples (S1 and S2) were collected at depths of 1, 3 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. An initial site map can be found in Figure 4.

5-10-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <u>51-100'</u>)								
DEVON ENERGY -COTTON DRAW UNIT #153H								
Sample Date: 5/10/2023				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
P-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
P-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
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

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, NAB1626342939, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Initial Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 and Liner Inspection 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

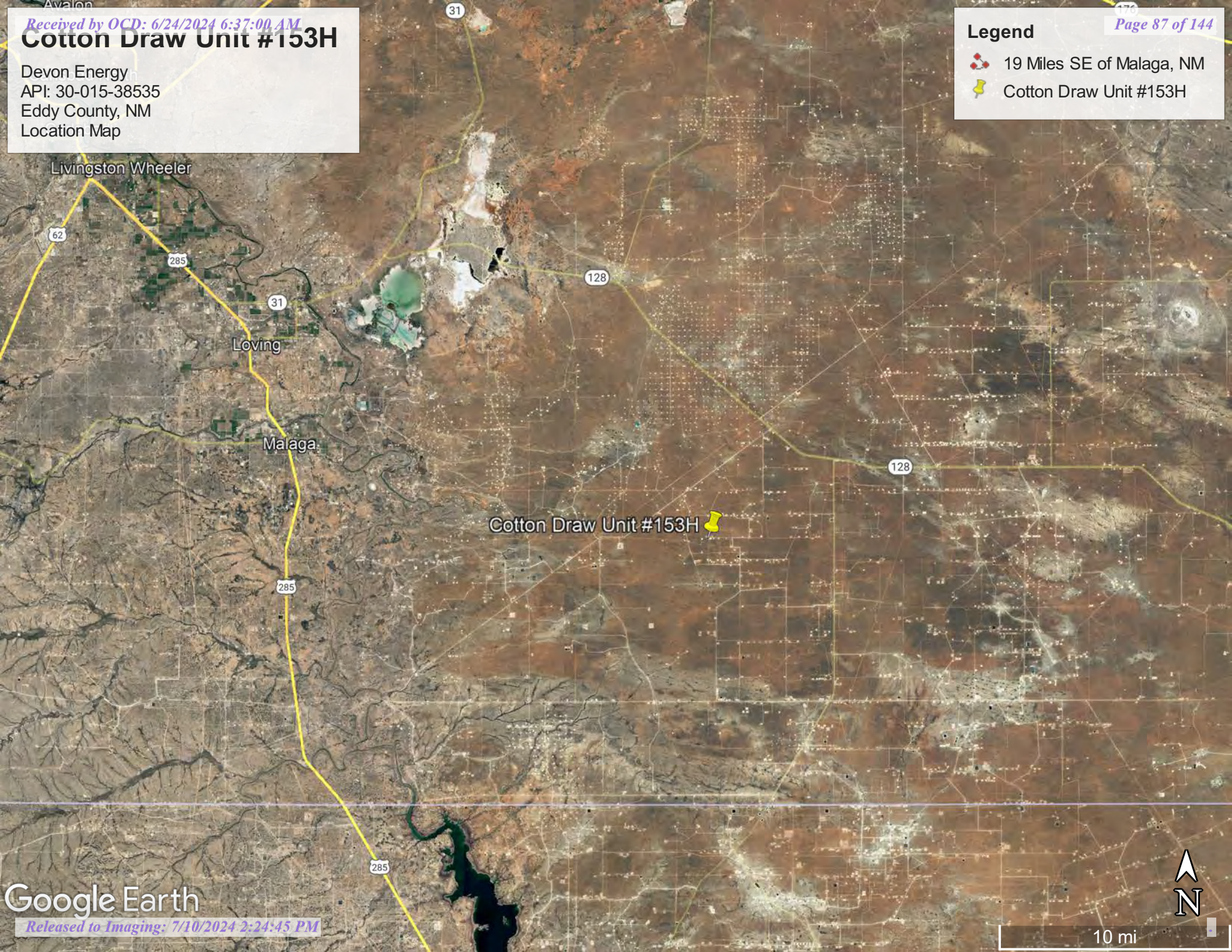
Devon Energy
API: 30-015-38535
Eddy County, NM
Location Map

Page 87 of 144

Legend

 19 Miles SE of Malaga, NM

 Cotton Draw Unit #153H

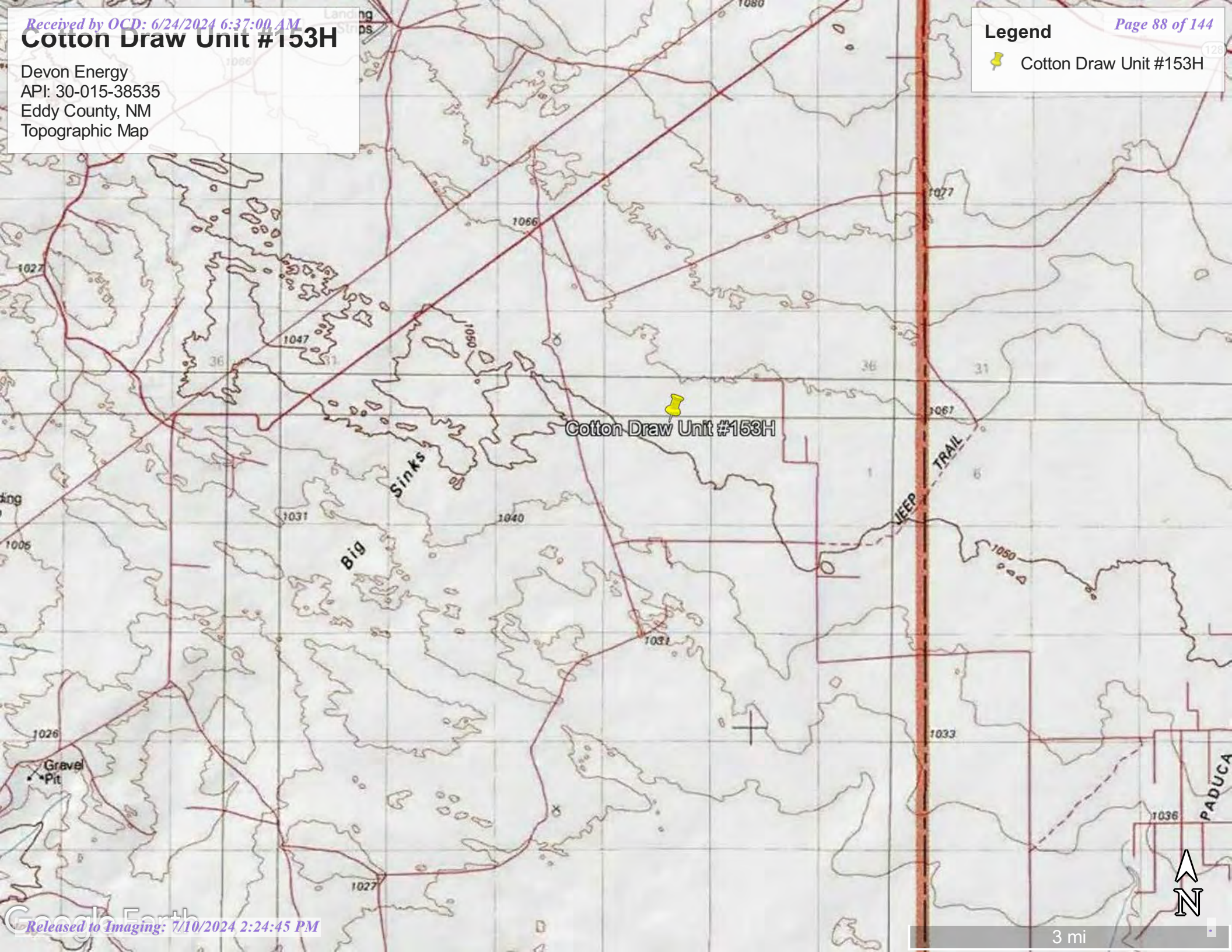


Cotton Draw Unit #153H

Devon Energy
API: 30-015-38535
Eddy County, NM
Topographic Map

Legend

 Cotton Draw Unit #153H



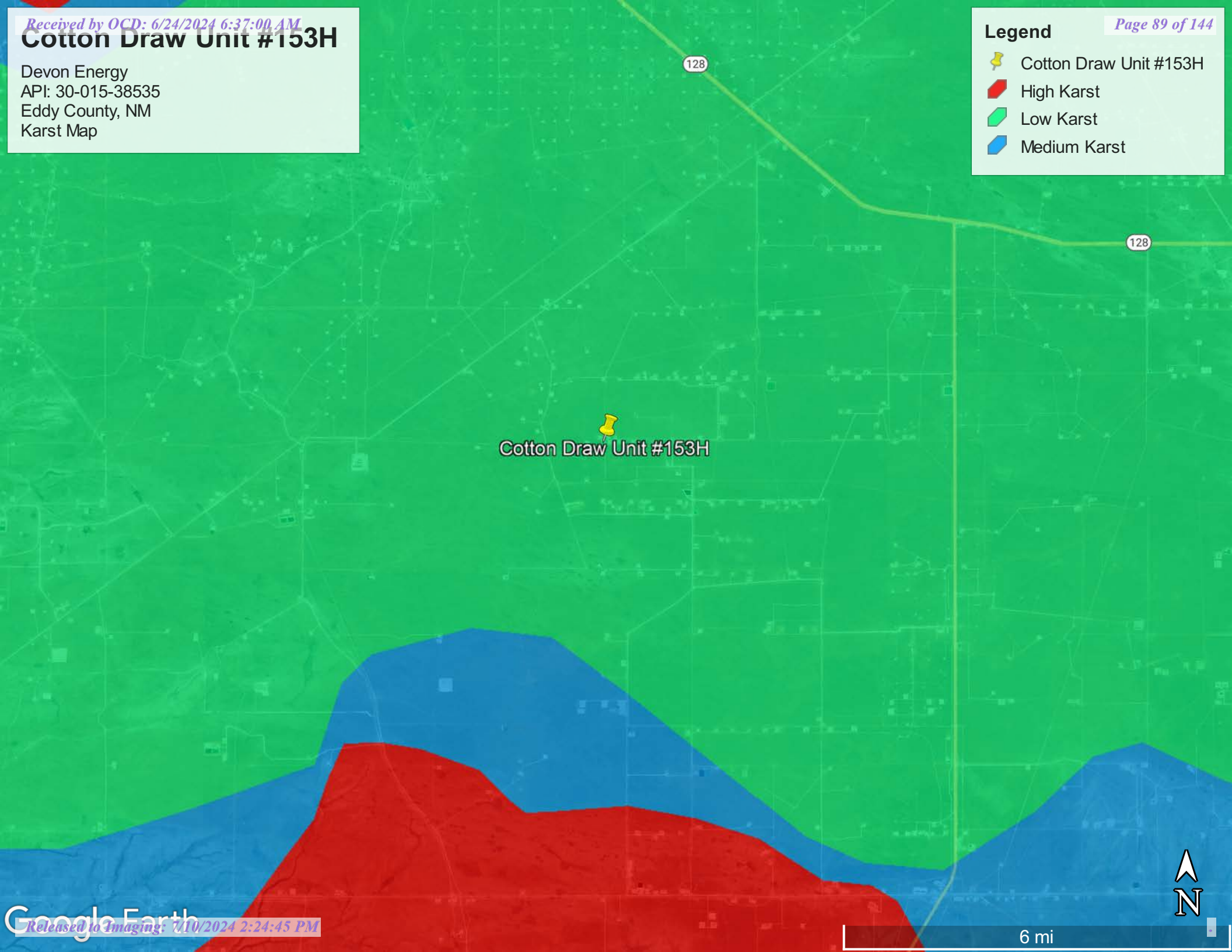
Cotton Draw Unit #153H

Devon Energy
API: 30-015-38535
Eddy County, NM
Karst Map

Page 89 of 144

Legend

- Cotton Draw Unit #153H
- High Karst
- Low Karst
- Medium Karst






Cotton Draw Unit #153H

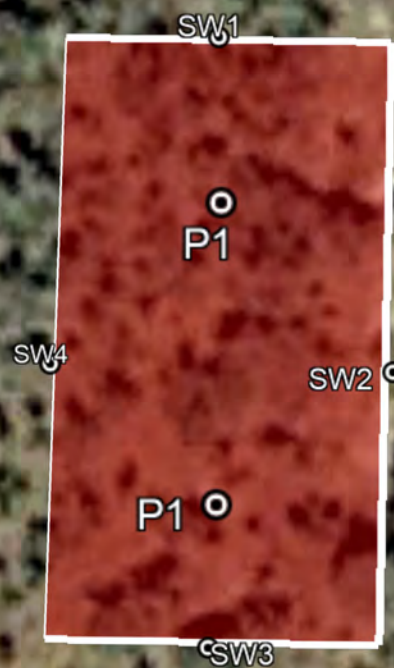


Cotton Draw Unit 153H

Devon Energy
32.166184,-103.764209
Eddy County, NM
Site Map

-  Point of Release
-  Release Area
-  Soil Sample

COTTON DRAW UNIT #153H



△POR



50 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04593 POD1		CUB	ED	3	4	4	34	24S	31E		616903	3559674	358	55		
C 02574		CUB	ED	1	1	2	02	25S	31E		618092	3559494*	1515			
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E		616802	3557964	1576	55		
C 02571		CUB	ED	4	1	2	02	25S	31E		618292	3559294*	1730	860		
C 04633 POD1		CUB	ED	2	1	1	35	24S	31E		617394	3561170	1837			
C 02573		CUB	ED	1	4	2	02	25S	31E		618499	3559091*	1969			
C 02572		CUB	ED	4	2	2	02	25S	31E		618695	3559294*	2130	852		
C 02569		CUB	ED	4	4	2	02	25S	31E		618699	3558891*	2214	1016		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E		618632	3558432	2327	450		
C 02570		CUB	ED	4	2	4	02	25S	31E		618704	3558489*	2365	895		
C 04479 POD1		CUB	ED	2	1	1	04	25S	31E		614182	3559400	2398	0	0	0
C 02568		CUB	ED	4	3	1	01	25S	31E		619103	3558892*	2603	1025		
C 04636 POD1		CUB	ED	3	4	3	25	24S	31E		619200	3561279	3155			
C 04643 POD1		C	ED	4	2	2	05	23S	27E		619200	3561279	3155	305	135	170
C 04654 POD1		CUB	ED	3	3	4	25	24S	31E		619764	3561226	3613	55		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E		619958	3558078	3676	55		
C 04388 POD1		C	ED	3	2	1	23	24S	31E		617546	3564006	4585	910	868	42
C 04576 POD1		CUB	ED	1	2	1	23	24S	31E		617700	3564324	4929	910	850	60
C 04508 POD1		CUB	ED	4	4	3	15	24S	31E		616298	3564493	4976	110		

Average Depth to Water: **463 feet**

Minimum Depth: **0 feet**

Maximum Depth: **868 feet**

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 616577.27

Northing (Y): 3559524.37

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.

5/11/23 12:25 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320952103444401

Minimum number of levels = 1

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

USGS 320952103444401 25S.31E.02.214411

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

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

Land-surface elevation 3,468.0 feet above NGVD29

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

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

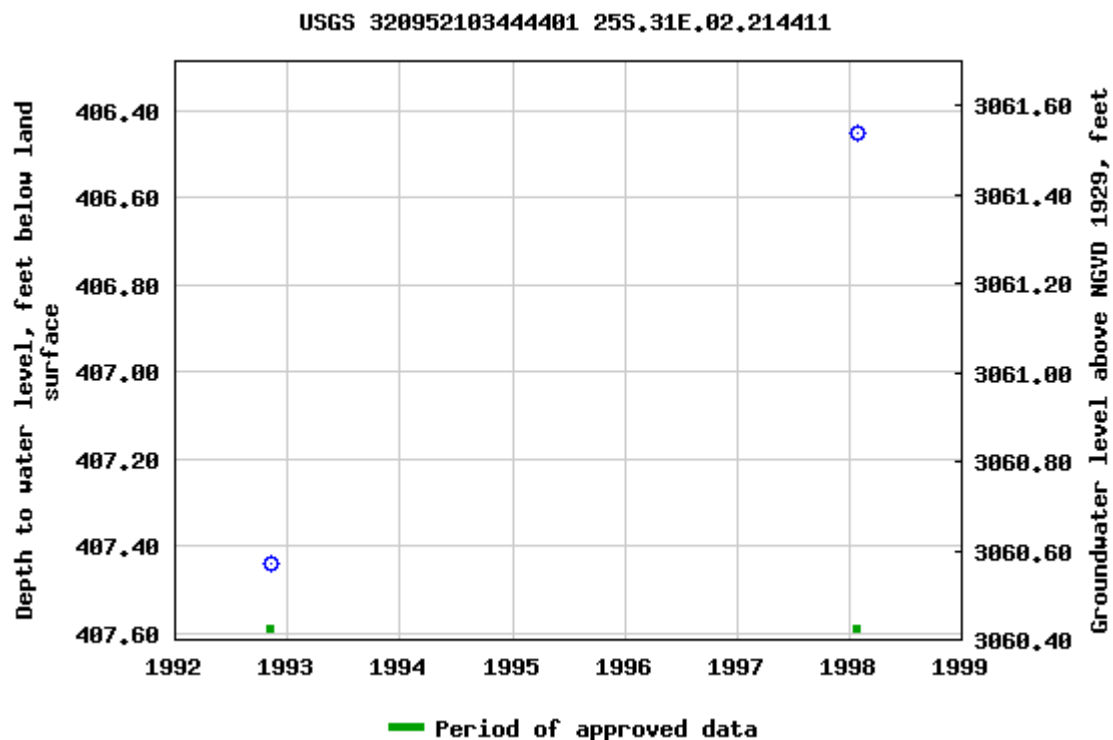
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2023-05-11 14:23:50 EDT


0.56 0.46 nadww01


Cotton Draw Unit #153H

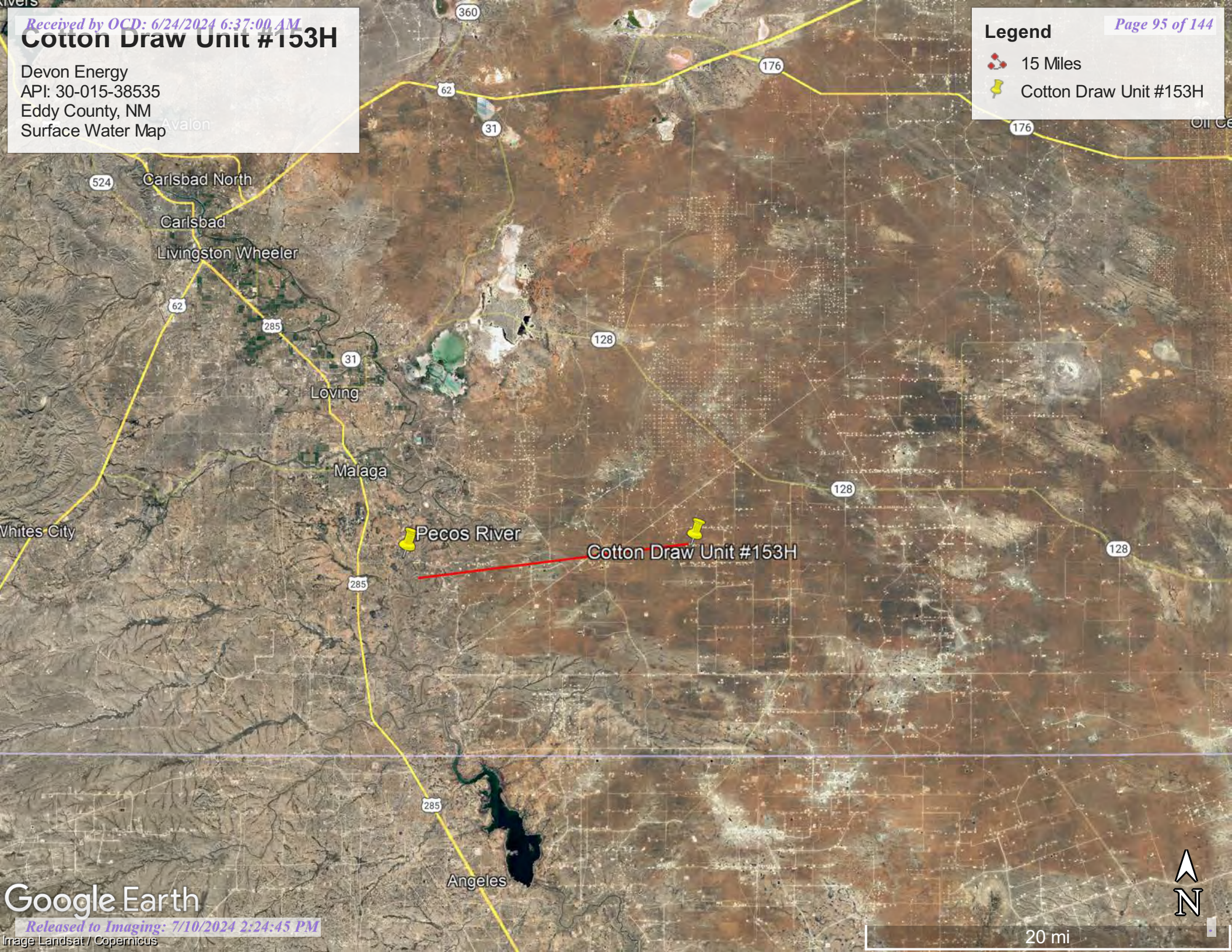
Devon Energy
API: 30-015-38535
Eddy County, NM
Surface Water Map

Page 95 of 144

Legend

 15 Miles

 Cotton Draw Unit #153H





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 FIRMette



103°46'8"W 32°10'13"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

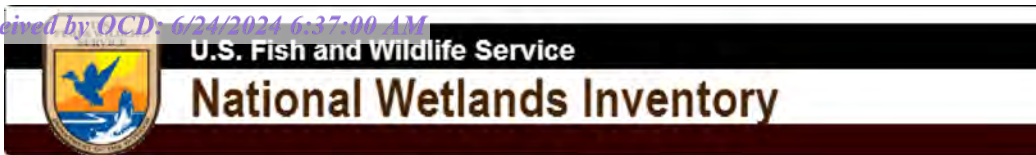


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 5/11/2023 at 2:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



May 18, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

Liner Inspection Form

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

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

ARTESIA DISTRICT

SEP 15 2016

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action**OPERATOR**☒ Initial Report ☐ Final Report

NAB/03/0342939
Name of Company Devon Energy Production Company *6137* **Contact** Jake Harrington, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210 **Telephone No.** 432-214-5175
Facility Name Cotton Draw Unit #153H **Facility Type** Oil

Surface Owner Federal **Mineral Owner** Federal **API No** 30-015-38535

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	3	25S	31E	200	North	1980	East	Eddy

Latitude: 32.1661758 **Longitude:** -103.7636108

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 42 Gallons	Volume Recovered 39 Gallons
Source of Release Transfer pump	Date and Hour of Occurrence 9/14/2016 @ 11:45pm	Date and Hour of Discovery 9/14/2016 @ 11:45pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD-Mike Bratcher BLM-Jim Amos	
By Whom? Lolo Martinez, Lease Operator	Date and Hour OCD- 9/15/2016 @ 1:15am BLM- 9/15/2016 @ 1:20am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	

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

Describe Cause of Problem and Remedial Action Taken.*

Due to corrosion on the swage on the discharge side of the transfer pump 42 gallons of produce water was released. The well and water injection pump was shut down immediately to prevent further release. Repairs to the swage on discharge pump are in progress.

Describe Area Affected and Cleanup Action Taken.*

42 gallons of produced water was released from a corroded swage on the discharge pump that runs from the produced water tank. Approximately 39 gallons went into lined containment and 3 gallons sprayed into a Westerly direction into the pasture. The approximate area affected was 6ft x 6ft in the pasture West of water injection pump. Approximately 3 gallons of the released produced water sprayed in a Westerly direction away from the pad into the pasture. The liner was checked for holes, no holes were found. Vacuum truck recovered approximately 39 gallons of the released produced water. Environmental agency will be contacted for remediation.

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: Sarah Gallegos-Troublefield	OIL CONSERVATION DIVISION	
Printed Name: Sarah Gallegos-Troublefield	Signed By: <i>Mike Bratcher</i>	
Title: Field Admin Support	Approved by Environmental Specialist:	
E-mail Address: Sarah.Gallegos-Troublefield@dmn.com	Approval Date: 9/19/16	Expiration Date: <i>AAA</i>
Date: 9/15/2016 Phone: 575.748.1864	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/> SUBMIT REMEDIATION PROPOSAL NO	

* Attach Additional Sheets If Necessary

LATER THAN: 10/22/16

2 RP-3892

Bratcher, Mike, EMNRD

From: Gallegos-Troublefield, Sarah <Sarah.Gallegos-Troublefield@dvn.com>
Sent: Thursday, September 15, 2016 2:58 PM
To: Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD
Cc: Fulks, Brett; Scrogum, Sandy
Subject: Cotton Draw Unit #153H_42 gallons_9-14-16_Initial C-141
Attachments: Cotton Draw Unit 153H_1BBL PW_9-14-15_Pic 3 of 3.jpg; Cotton Draw Unit 153H_1 BBL PW_9-14-16_GIS Image.pdf; Cotton Draw Unit 153H_1 BBL PW_9-14-16_Initial C-141.doc; Cotton Draw Unit 153H_1BBL PW_9-14-15_Pic 1 of 3.jpg; Cotton Draw Unit 153H_1BBL PW_9-14-15_Pic 2 of 3.jpg

Good afternoon,

Please find attached the Initial C-141, GIS Image and 3 photos of the Cotton Draw Unit #153H release of 42 gallons produced water that occurred on 9/14/2016. Please be advised that the blue dot in the GIS Image represents the approximate location of the origin of the release.
Please contact me with any questions you may have.

Thank you very much and have a wonderful day.

Respectfully,

Sarah Gallegos-Troublefield
Field Admin Support
Production

Devon Energy Corporation
P.O. Box 250
Artesia, NM 88211
575 748 1864 Direct Line



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

Incident ID	NAB16263242939
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAB16263242939
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 ProfessionalSignature Dale Woodall Date: 6/5/2023email: dale.woodall@dvn.com Telephone: 575-748-1839**OCD Only**

Received by: _____ Date: _____

Incident ID	NAB16263242939
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: 6/5/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

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, LLC

Liner Inspection FormCompany Name: Devon EnergySite: Cotton Draw Unit #153HLat/Long: 32.1661758, -103.7636108NMOCD Incident ID
& Incident Date: NAB1626342939 9/14/20162-Day Notification
Sent: via Email by Sebastian Orozco 5/31/2023Inspection Date: 6/2/2023

Liner Type:	Earthen w/liner	Earthen no liner	Polystar
	Steel w/poly liner	Steel w/spray epoxy	No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Andrew Franco Inspector Signature: Andrew Franco

From: sebastian@pimaoil.com
To: ocdonline@state.nm.us
Cc: tom@pimaoil.com; Polly@pimaoil.com
Subject: Cotton Draw Unit #153H (Nab1626342939) - Liner Inspection
Date: Wednesday, May 31, 2023 9:47:49 AM
Attachments: [image001.png](#)

Good morning,

Pima Environmental would like to notify you that we will be conducting a liner inspection at the Cotton Draw Unit #153H (Nab1626342939), on Friday June 2, 2023. Pima personnel will be on location at 10:00 am. Thank you.

Respectfully,
Sebastian Orozco
Environmental Professional
5614 N Lovington Hwy,
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell





Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
COTTON DRAW UNIT #153H**

Site Assessment





Liner Inspection:









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 153H

Work Order: E305081

Job Number: 01058-0007

Received: 5/15/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/18/23

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: 5/18/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E305081
Date Received: 5/15/2023 5:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/15/2023 5:00:00AM, under the Project Name: Cotton Draw Unit 153H.

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
P1 - 1'	5
P1 - 3'	6
P1 - 4'	7
P2 - 1'	8
P2 - 3'	9
P2 - 4'	10
SW1	11
SW2	12
SW3	13
SW4	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 05/18/23 09:58
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1 - 1'	E305081-01A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
P1 - 3'	E305081-02A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
P1 - 4'	E305081-03A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
P2 - 1'	E305081-04A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
P2 - 3'	E305081-05A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
P2 - 4'	E305081-06A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
SW1	E305081-07A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
SW2	E305081-08A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
SW3	E305081-09A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.
SW4	E305081-10A	Soil	05/10/23	05/15/23	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
5/18/2023 9:58:44AM

P1 - 1'

E305081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
Surrogate: n-Nonane	110 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

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

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

Reported:
5/18/2023 9:58:44AM

P1 - 3'

E305081-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320034
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

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

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

Reported:
5/18/2023 9:58:44AM

P1 - 4'

E305081-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320034
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 5/18/2023 9:58:44AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

P2 - 1'

E305081-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 5/18/2023 9:58:44AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

P2 - 3'

E305081-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
Surrogate: n-Nonane	109 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 5/18/2023 9:58:44AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

P2 - 4'

E305081-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/15/23	
Surrogate: n-Nonane	114 %	50-200		05/15/23	05/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

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

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

Reported:
5/18/2023 9:58:44AM

SW1

E305081-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320034
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 5/18/2023 9:58:44AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW2

E305081-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/16/23	
Surrogate: n-Nonane	108 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

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

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

Reported:
5/18/2023 9:58:44AM

SW3

E305081-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2320001
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2320011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/16/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320034
Chloride	ND	20.0	1	05/16/23	05/16/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported: 5/18/2023 9:58:44AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4

E305081-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Benzene	ND	0.0250	1	05/15/23	05/15/23	
Ethylbenzene	ND	0.0250	1	05/15/23	05/15/23	
Toluene	ND	0.0250	1	05/15/23	05/15/23	
o-Xylene	ND	0.0250	1	05/15/23	05/15/23	
p,m-Xylene	ND	0.0500	1	05/15/23	05/15/23	
Total Xylenes	ND	0.0250	1	05/15/23	05/15/23	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2320001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/15/23	05/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		05/15/23	05/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2320011	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/23	05/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/23	05/16/23	
Surrogate: n-Nonane	112 %	50-200		05/15/23	05/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2320034	
Chloride	ND	20.0	1	05/16/23	05/16/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/18/2023 9:58:44AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2320001-BLK1) Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

LCS (2320001-BS1) Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.22	0.0250	5.00		84.4	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.8	70-130			
Toluene	4.49	0.0250	5.00		89.8	70-130			
o-Xylene	4.55	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.05	0.0500	10.0		90.5	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike (2320001-MS1) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.54	0.0250	5.00	ND	90.8	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.1	61-133			
Toluene	4.82	0.0250	5.00	ND	96.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2320001-MSD1) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Benzene	4.31	0.0250	5.00	ND	86.2	54-133	5.18	20	
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133	5.31	20	
Toluene	4.58	0.0250	5.00	ND	91.5	61-130	5.25	20	
o-Xylene	4.64	0.0250	5.00	ND	92.9	63-131	4.46	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	5.13	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.1	63-131	4.91	20	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/18/2023 9:58:44AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2320001-BLK1) Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.6	70-130			

LCS (2320001-BS2) Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2320001-MS2) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.8	70-130			

Matrix Spike Dup (2320001-MSD2) Source: E305081-01 Prepared: 05/15/23 Analyzed: 05/15/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	93.9	70-130	2.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/18/2023 9:58:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2320011-BLK1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.4		50.0		123	50-200			

LCS (2320011-BS1)					Prepared: 05/15/23 Analyzed: 05/15/23				
Diesel Range Organics (C10-C28)	303	25.0	250		121	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2320011-MS1)					Source: E305081-06		Prepared: 05/15/23 Analyzed: 05/15/23		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

Matrix Spike Dup (2320011-MSD1)					Source: E305081-06		Prepared: 05/15/23 Analyzed: 05/15/23		
Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132	0.537	20	
Surrogate: n-Nonane	50.4		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/18/2023 9:58:44AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2320034-BLK1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	ND	20.0							
LCS (2320034-BS1)					Prepared: 05/16/23 Analyzed: 05/16/23				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2320034-MS1)					Source: E305081-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2320034-MSD1)					Source: E305081-01		Prepared: 05/16/23 Analyzed: 05/16/23		
Chloride	249	20.0	250	ND	99.6	80-120	0.179	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 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/18/23 09:58

- 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

Client: Pima Environmental Services Project: Cotton Draw Unit 153A Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-302-1					Lab Use Only Lab WO# F305081 Job Number 0105007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															Remarks
3:35	5/10/23	S	1	P1-1'	1										X					
3:40				P1-3'	2															
3:45				P1-4'	3															
3:50				P2-1'	4															
3:00				P2-3'	5															
4:05				P2-4'	6															
4:10				SW1	7															
4:15				SW2	8															
4:20				SW3	9															
4:25				SW4	10															
Additional Instructions: WO# 21165284																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) Karim Almaraz		Date 5/12/23		Time 200		Received by: (Signature) Michelle Gonzalez		Date 5-12-23		Time 1400		Lab Use Only Received on ice: Y N								
Relinquished by: (Signature) Michelle Gonzalez		Date 5-12-23		Time 1700		Received by: (Signature) Andrew Messo		Date 5-12-23		Time 1700		T1 T2 T3								
Relinquished by: (Signature) Andrew Messo		Date 5-12-23		Time 2300		Received by: (Signature) [Signature]		Date 5/12/23		Time 1800		AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 5/15/2023 7:07:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/15/23 05:00	Work Order ID:	E305081
Phone:	(575) 631-6977	Date Logged In:	05/15/23 07:05	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	05/19/23 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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 356810

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	356810
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1626342939
Incident Name	NAB1626342939 COTTON DRAW UNIT #153H @ 30-015-38535
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38535] COTTON DRAW UNIT #153H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COTTON DRAW UNIT #153H
Date Release Discovered	09/14/2016
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pump Produced Water Released: 42 BBL Recovered: 39 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	356810
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 06/24/2024
--	--

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

QUESTIONS, Page 3

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 356810
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/14/2023
On what date will (or did) the final sampling or liner inspection occur	06/14/2023
On what date will (or was) the remediation complete(d)	06/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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

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

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

QUESTIONS, Page 4

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 356810
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	<i>analytical results were below state action levels based on the depth to water</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/24/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

QUESTIONS, Page 5

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	356810
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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

QUESTIONS, Page 6

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	356810
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	353637
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/17/2024
What was the (estimated) number of samples that were to be gathered	34
What was the sampling surface area in square feet	1244

Remediation Closure Request

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/24/2024
--	--

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

QUESTIONS, Page 7

Action 356810

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	356810
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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 356810

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 356810
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved. Sampling notice said sampling date was 6/17/24 however samples were collected on 6/14/24.	7/10/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	7/10/2024