



REMEDIATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

December 15, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2
811 S First St
Artesia, NM 88210

Bureau of Land Management
620 E Green St
Carlsbad, NM 88220

RE: Remediation Closure Report
LOCATION: Cotton Draw Unit #605H
WELL API #: 30-015-47297
GPS (NAD 83): 32.1953226, -103.751473
INCIDENT LOCATION: C-26-T24S-R31E
COUNTY: Eddy
NMOCD REF. NO: nAPP2311446508

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Remediation Closure Report for a produced water release that occurred at the Cotton Draw Unit #605H (Cotton). This incident was assigned Incident ID nAPP2311446508 by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

nAPP2311446508: On April 17, 2023, Operator found fluid coming up from the flow line for the CDU 605 at the edge of the well pad. The well was shut in to stop the leak. Fluid from spill soaked into the ground approximately 20 feet of the south side of the well pad. No fluids were recovered.

SITE CHARACTERIZATION

The Cotton is located approximately nineteen (19) miles east of Malaga, NM. This release area is in Unit C, Section 26, Township 24S, Range 31E, Latitude 32.1953226 Longitude -103.751473, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (Appendix B). 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. The drainage class is well drained (Appendix B). There is a low potential for karst geology to be present around this release area (Figure 3) with the nearest medium karst zone being approximately 1.18 miles southwest. Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this vicinity measures 868 feet below grade surface (bgs). This information is based on NMOSE Pod C-04388-POD1 which was drilled February 22, 2020, and is located approximately 0.9 miles north of this release area. Conversely, as per the United States Geological Survey well water data the nearest groundwater depth in this region is recorded at 406 feet bgs, from well USGS 320952103444401 25S.31E.02.214411 with the last gauge being conducted in 1998. This well is situated approximately 2 miles south of the Cotton release area. The nearest surface water body is a salt pond at United Salt Lake Plant approximately 14.7 miles northwest of this release area. For detailed references to Water Surveys and Water-Related Maps, please refer to Appendix A.

According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Freshwater Emergent Wetland lies approximately 1.07 miles north of the Cotton release area. According to a FEMA search for flood hazard information, the Cotton is in Zone X – Area of Minimal Flood Hazard.

Closure criteria for releases at the Cotton pad surface are classified under the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 600 mg/kg,



TPH (GRO+DRO+MRO) should be less than 100 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

SITE ASSESSMENT ACTIVITIES

On April 25, 2023, Pima Environmental mobilized personnel to the site to collect soil samples from within and around the edges of the release area for vertical and horizontal delineation. A roustabout crew was on site repairing the damaged flowline. Pima field personnel were instructed by Devon to return later to complete delineation efforts.

Due to continued work in the pipeline right of way, Pima personnel were able to return on September 5, 2023, to complete delineation of the previous release area. Eight (8) discrete samples were collected from 5 different sample points within and around the edges of the release area for vertical and horizontal delineation. At the S1 sample point, samples were collected from depth intervals of 1', 2', 3', and 4' bgs. At the SW1 through SW4 sample points, samples were collected from a depth of 6" bgs. One (1) sample was collected from the pasture at a depth of 6" bgs to serve as a background sample. The samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. A corresponding Site Map 9/5/23 can be found in Figure 4. The lab sample results can be found in the Data Tables in Figure 5. Due to more work being performed on the pad and in the pipeline right of ways, Devon instructed Pima to hold off on any further activities until all other operations were completed.

On May 15, 2024, Pima personnel returned to the site to reassess the release area. Soil had been removed from this area and replaced during the previous pipeline/flowline work activities. Samples needed to be collected and analyzed to find out if contamination had been removed as well. Four (4) discrete samples were collected from the S1 sample point from depths of 1', 2', 3', and 4' bgs. Four (4) discrete samples were collected from SW1 through SW4 sample points from a depth of 1' bgs. One (1) sample was collected from the previous BG1 sample point at a depth of 1' bgs. These samples were put on ice, prepared for delivery, and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On May 21, 2024, Pima personnel returned to the site to collect additional delineation samples. Sample point S2 was added along with 5-point composite samples from SW1 through SW4 consisting of sub-samples from depths of surface, 1', 2', 3', and 4' bgs. All samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1. The lab sample results from this sampling event can be found in the Data Tables included in Figure 5. The sample points in this sampling event can be seen in the Proposed Excavation Map found in Figure 6. Complete laboratory reports can be found in Appendix E. Photographic Documentation can be referenced in Appendix D.

REMEDIATION ACTIVITIES

On January 24, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin remediation activities. The 18 square foot area surrounding sample point S2 was excavated to a depth of approximately 2.5' bgs. Approximately 2 cubic yards of contaminated soil were removed and disposed of at R360, a NMOCD-approved disposal facility. After a 48-hour notification of sampling (Appendix C) was submitted by Devon to the NMOCD, and excavation was completed, Pima personnel collected 5-point composite confirmation samples from the base and walls of the excavation. Each composite sample represented no more than 200 square feet. An additional sample was collected from the S1 sample point as directed by the conditions of approval to the remediation work plan. All samples were put on ice, jarred, prepared for delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The results of this sampling event can be found in the Data Tables included in Figure 5. A corresponding Confirmation Sample Map (A) can be referenced in Figure 9.

Based on the results presented in the laboratory report, the samples collected are verified to be under the regulatory limits as per the less than 50-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC.

A Remediation Closure Report was submitted to the NMOCD and was subsequently denied.



RESPONSE TO CLOSURE REPORT DENIED

On February 10, 2025, the NMOCD denied the submitted closure report citing:

"To whom it may concern (c/o James Raley 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#) nAPP2311446508, for the following reasons:

The Remediation Closure Report is Denied. Please explain how the samples in the release area on 9/5/2023 had extremely high TPH from surface to 4 feet below surface and 8 months later there were almost none to be found?

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 426812. 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."

In response to this denial, Devon and Pima personnel corresponded and together researched any possible activities that may or may not have been performed at this site since the date this release was discovered. A detailed activities timeline and explanation is as follows:

4/17/2023 – Spill reported internally by Devon field personnel as a leak from the 605H flowline Spill was calculated to be 0.642 bbls affecting a 36 square foot area going south from the flowline riser.

4/25/2023 – Pima personnel arrived on site to assess the release area, there was an open hole and an orange boundary fence around the area as crews were working on repairing the flowline, Pima personnel were told by Devon to come back later to perform the assessment.

9/5/2023 – Pima personnel returned to the site to perform the assessment. One sample point from within the release area yielded 4 samples from 1' increments. Four sample points from around the edges of the release area yielded 4 samples from 6" bgs. One sample point from the pasture yielded 1 sample from 6" bgs serving as the background.

9/13/2023 – An Analytical Report was received from Envirotech Analytical Laboratory via email. The report verified high levels of TPH, consisting of DRO and ORO, at the sample point within the release area.

5/15/2024 – It was determined that the assessment performed was inadequate (due to guidance and changes previously implemented by the NMOCD). A new assessment was scheduled to evaluate the status of contamination. At this time the surface staining was not present, so the sample collection from 9/5/2023 was duplicated, the samples around the edges of the release area and the background sample were collected from 1' bgs.

5/21/2024 – It was determined that horizontal delineation was still inadequate so additional samples should be collected to adhere to the newer protocol for assessing release areas. For more extensive due diligence, one additional sample point within the release area was added and yielded 4 samples from 1' increments. Four additional composite samples from around the edges of the release area were added consisting of twenty subsamples from 1' increments.

5/29/2024 – An Analytical Report was received from Envirotech Analytical Laboratory via email. The report verified no TPH properties were present, and low levels of chlorides were present.

6/3/2024 – An Analytical Report was received from Envirotech Analytical Laboratory via email. The report verified that the additional sample point within the release at 2' bgs contained an elevated level of TPH, consisting of DRO and ORO; and low levels of chlorides were present.

1/24/2025 – The sample point S2 was excavated to a depth of 2.5' bgs, removing the previously found contamination. The S1 sample point was resampled at 1' increments to 4' bgs to ensure the TPH contaminants have been removed (as per the conditionally approved remediation work plan).



Pima personnel consulted with Devon personnel to research this site and any work that had or could have been performed between 9/5/2023 and 5/21/2024. They could not provide details of any work. Evident in the pictures, included in Appendix D, one of the three flowlines was removed and capped between these dates. It is unclear of any other work that may or may not have been performed during this time. Evident in the last picture, from 1/20/2025, vegetation growth in the right of way and around the riser pipes suggest that the more recent sample results would be the most accurate.

A Remediation Closure Report was submitted and was subsequently denied.

On July 17, 2025, the NMOCD denied the submitted closure report citing:

"To whom it may concern (c/o James Raley 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#) nAPP2311446508, for the following reasons:

The Remediation Closure Report is denied. The "original" sample location S-1 had very high TPH values. The "original" sample location S-1 taken on 9/5/2023 is very close to middle of the release footprint. The sample locations S-1 and S-2 taken on 5/15/2024 and 5/21/2024 are offset from the original location. The OCD requests that the "original" S-1 sample location be fully investigated down to 4 feet below surface to verify the presence or lack thereof TPH found at the "original" S-1 sample location.

Pima returned to the site to fully investigate sample location S-1 down to 4 feet bgs to verify the presence or lack thereof TPH found at the original S-1 sample location. Samples were collected at surface, 1', 2', 3' and 4' bgs. These samples were put on ice, prepared for delivery, and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. Based on the sample laboratory results received, remediation was required. A corresponding S1 Sample Map can be found in Figure 7. The results of this sampling event can be found in the Data Tables included in Figure 5. A complete laboratory report can be found in Appendix E.

On November 10, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin remediation activities. The 18 square foot area surrounding sample point S1 was excavated to a depth of approximately 5' bgs. Approximately 4 cubic yards of contaminated soil were removed and disposed of at R360, a NMOCD-approved disposal facility. After a 48-hour notification of sampling (Appendix C) was submitted by Devon to the NMOCD, and excavation was completed, Pima personnel collected two 5-point composite confirmation samples from the base and walls of the excavation labeled CS1 & CSW1. Each composite sample represented no more than 200 square feet. An Excavation Map can be found in Figure 8. A corresponding Confirmation Sample Map (B) is referenced in Figure 10.

Based on the results presented in the laboratory report, the samples collected are verified to be under the regulatory limits as per the less than 50-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC.

Devon respectfully requests that the remediation of this release area be approved as the soil sample results meet or exceed the regulatory requirements for 19.15.29.12 and 19.15.29.13 NMAC.

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

Devon Energy Production – Jim Raley at 575-689-7597 or jim.rale@devon.com.

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

Respectfully,

DelRae Geller

DelRae Geller

Project Manager

Pima Environmental Services



ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map 9/5/23
- 5- Data Tables
- 6- Proposed Excavation Map
- 7- S1 Sample Map
- 8- Excavation Map
- 9- Confirmation Sample Map (A)
- 10- Confirmation Sample Map (B)

APPENDICES:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – 48-Hour Notifications & NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map 9/5/23
- 5- Data Tables
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- 7- S1 Sample Map
- 8- Excavation Map
- 9- Confirmation Sample Map (A)
- 10- Confirmation Sample Map (B)



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

Cotton Draw Unit #605H | nAPP2311446508

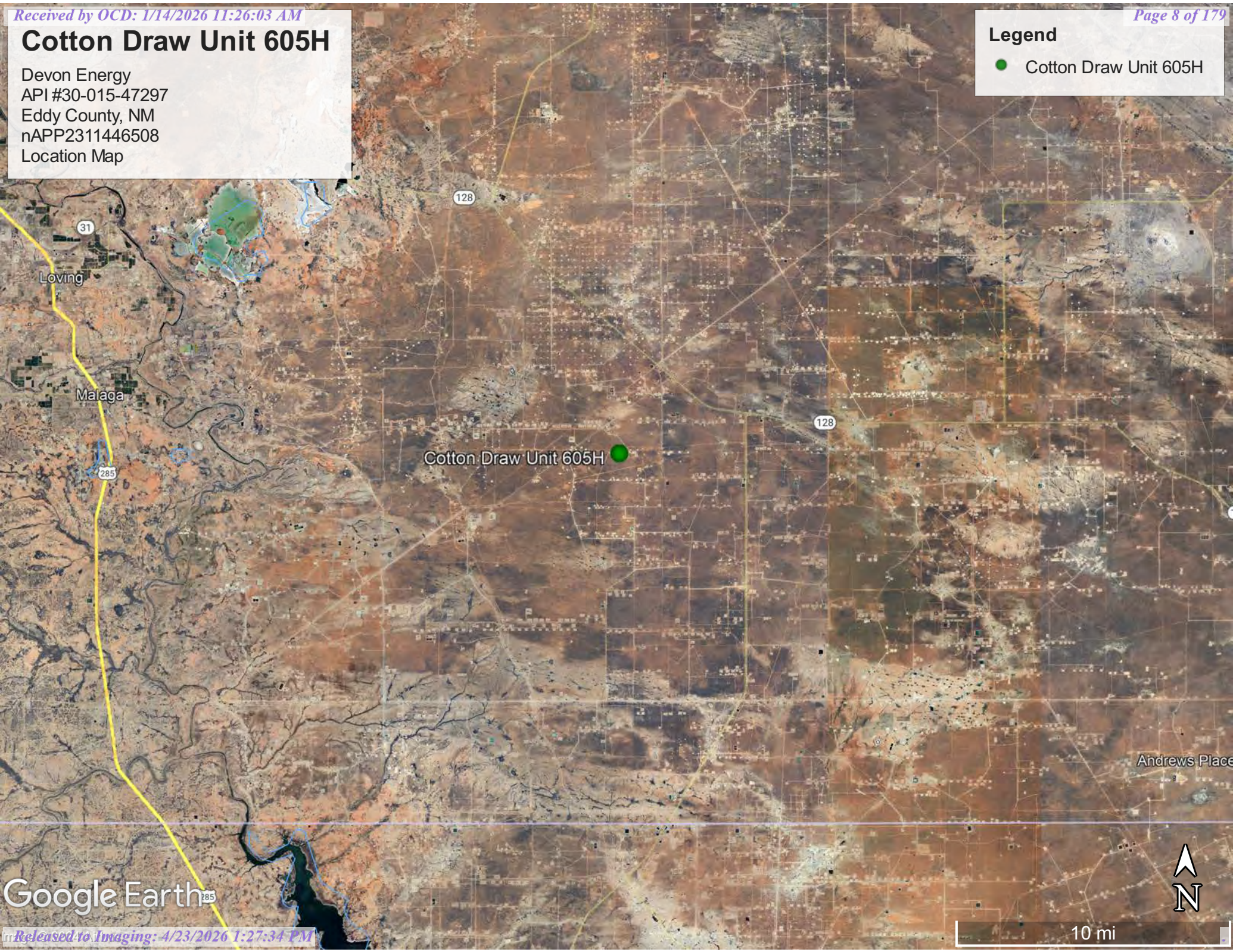
DEVON ENERGY PRODUCTION, LP.

Cotton Draw Unit 605H

Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Location Map

Legend

● Cotton Draw Unit 605H



Google Earth



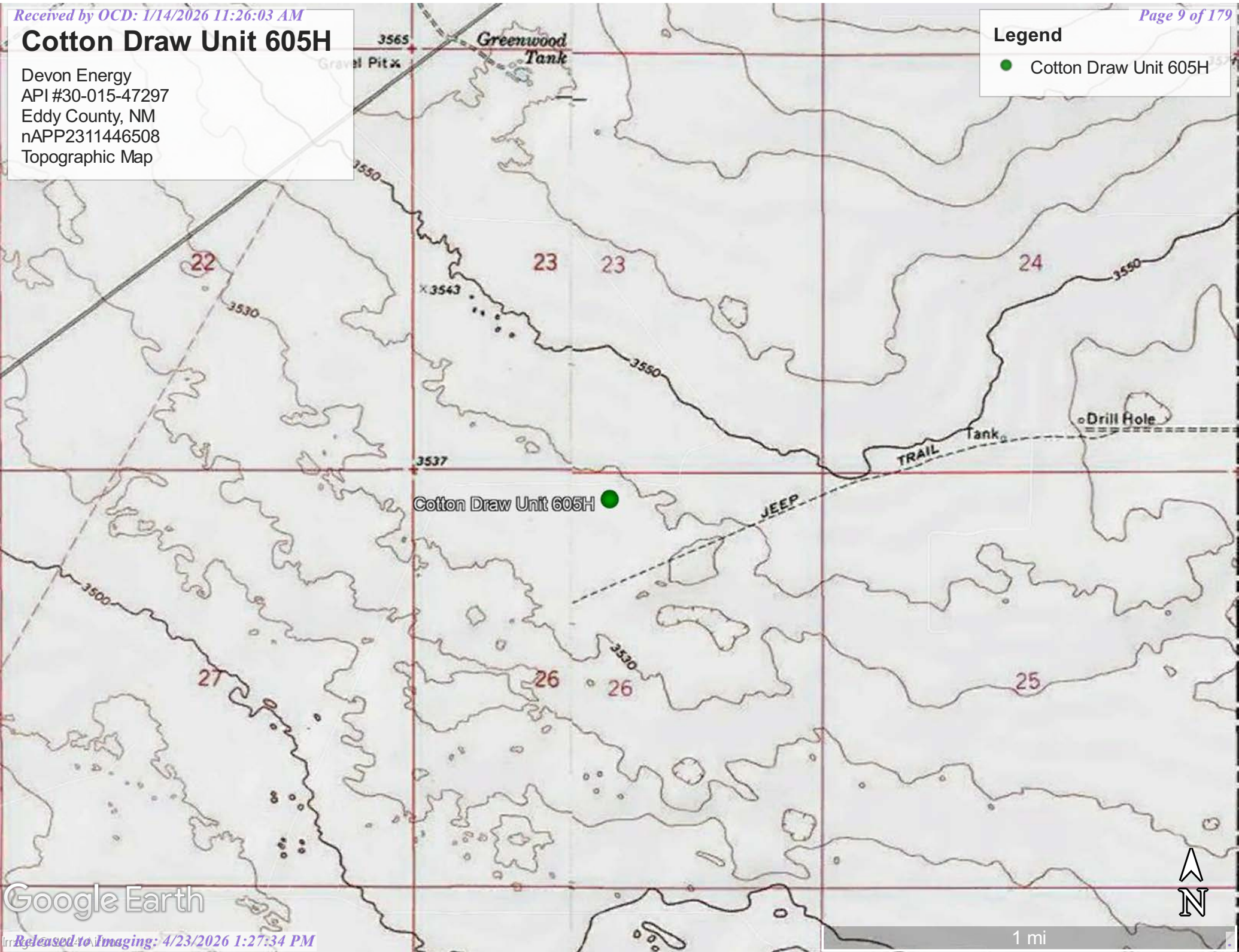
10 mi

Cotton Draw Unit 605H

Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Topographic Map

Legend




- Cotton Draw Unit 605H

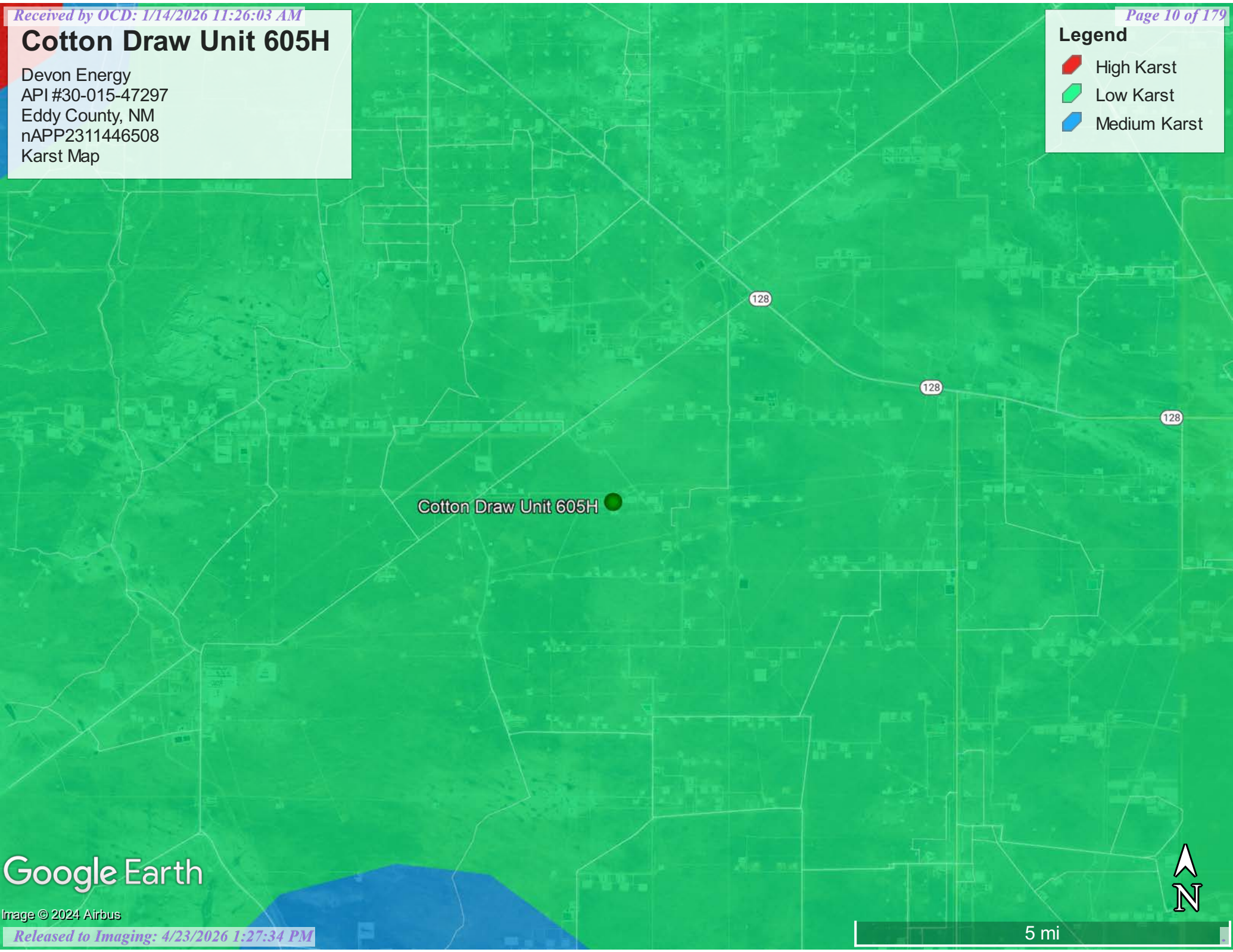


Cotton Draw Unit 605H

Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Karst Map

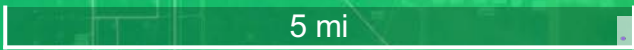
Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Image © 2024 Airbus



Cotton Draw Unit #605H

Devon Energy
 API #30-015-47297
 Eddy County, NM
 NAPP2311446508
 S1 - 32.193694, -103.749456
 SW1 - 32.193712, -103.749451
 SW2 - 32.193689, -103.749452
 SW3 - 32.193670, -103.749469
 SW4 - 32.193692, -103.749464
 Site Map 9/5/23

Legend

- Background sample
- ▬ Release area - 36 sqft
- Sidewall samples
- Vertical sample



Google Earth



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - COTTON DRAW UNIT #605H - nAPP2311446508								
Date: 9/5/2023		NM Approved Lab Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	0.0575	ND	ND	1510	486	1996.058	63.5
	2'	0.736	ND	33.8	6500	2480	9014.536	ND
	3'	0.849	ND	33.8	4450	1570	6054.649	49.5
	4'	0.975	ND	40.9	6030	2280	8351.875	ND
SW 1	6"	0.0869	ND	ND	ND	ND	0.0869	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
BG 1	6"	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - COTTON DRAW UNIT #605H - nAPP2311446508									
Dates: 5/15/24 & 5/21/24			NM Approved Lab Results						
Sample ID	Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	5/15/2024	1'	ND	ND	ND	ND	ND	0	57.1
	5/15/2024	2'	ND	ND	ND	ND	ND	0	36.5
	5/15/2024	3'	ND	ND	ND	ND	ND	0	34.5
	5/15/2024	4'	ND	ND	ND	ND	ND	0	ND
S2	5/21/2024	1'	ND	ND	ND	ND	ND	0	ND
	5/21/2024	2'	ND	ND	ND	93.1	52.7	145.8	75.8
	5/21/2024	3'	ND	ND	ND	ND	ND	0	27.1
	5/21/2024	4'	ND	ND	ND	ND	ND	0	ND
SW1	5/15/2024	1'	ND	ND	ND	ND	ND	0	21.2
SW2	5/15/2024	1'	ND	ND	ND	ND	ND	0	27.5
SW3	5/15/2024	1'	ND	ND	ND	ND	ND	0	22.3
SW4	5/15/2024	1'	ND	ND	ND	ND	ND	0	33.6
SW1	5/21/2024	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW2	5/21/2024	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW3	5/21/2024	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW4	5/21/2024	0-4' Comp	ND	ND	ND	ND	ND	0	ND
BG1	5/15/2024	1'	ND	ND	ND	ND	ND	0	26.4

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - COTTON DRAW UNIT #605H - nAPP2311446508								
Date: 1/24/2025		NM Approved Lab 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
CS2-2.5'	2.5'	ND	ND	ND	32.5	ND	32.5	ND
CSW3-2.5'	2.5'	ND	ND	ND	ND	ND	ND	ND
S1 Comp	0-4'	ND	ND	ND	ND	ND	ND	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Cotton Draw Unit 605H								
Date: 7-28-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	Surface	ND	ND	ND	3800	2110	5910	68.8
	1'	ND	ND	ND	313	154	467	ND
	2'	ND	ND	ND	1340	604	1944	ND
	3'	ND	ND	ND	382	229	611	ND
	4'	ND	ND	ND	384	214	598	ND

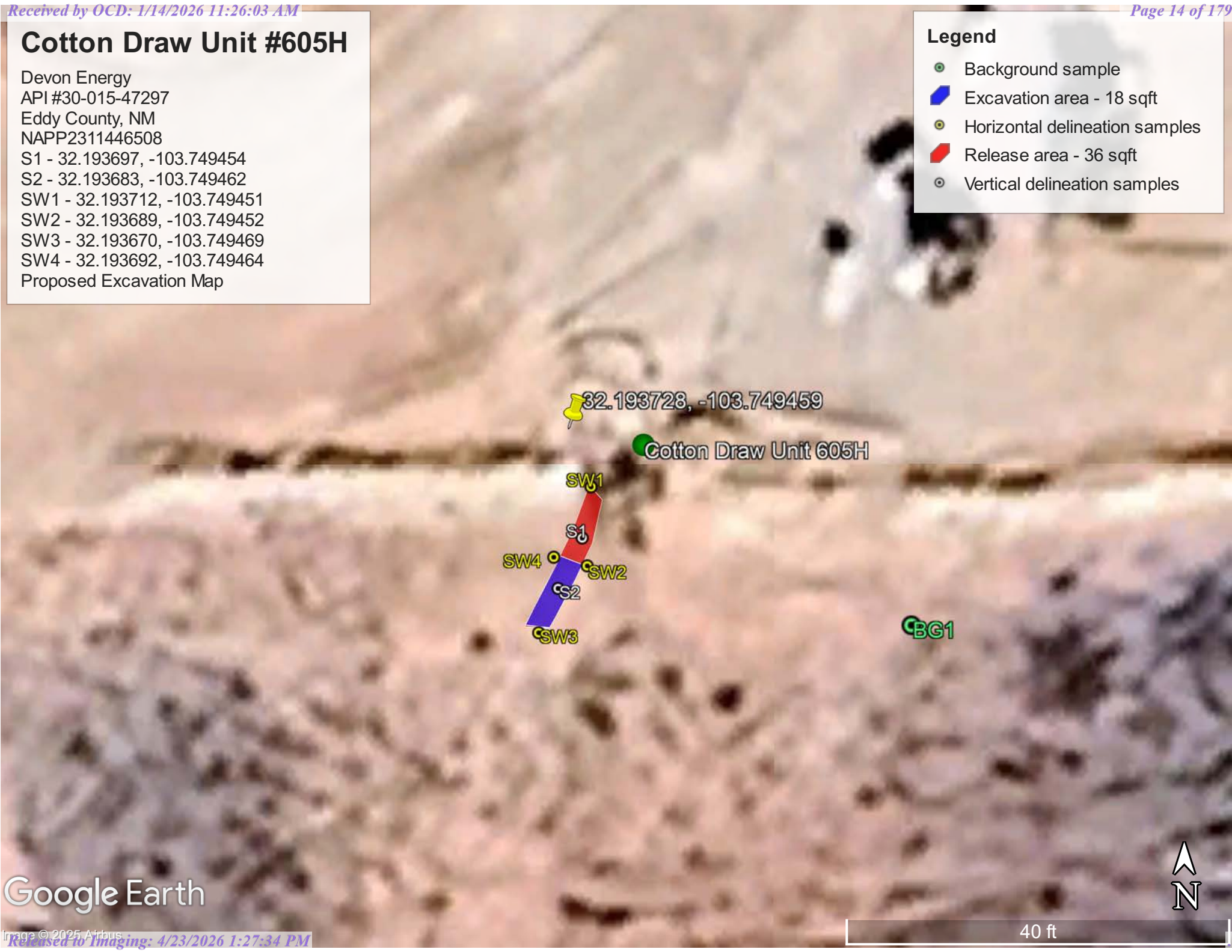
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Cotton Draw Unit 605H								
Date: 11-12-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	5'	ND	ND	ND	ND	ND	ND	ND
CSW1	0-5'	ND	ND	ND	ND	ND	ND	ND

Cotton Draw Unit #605H

Devon Energy
 API #30-015-47297
 Eddy County, NM
 NAPP2311446508
 S1 - 32.193697, -103.749454
 S2 - 32.193683, -103.749462
 SW1 - 32.193712, -103.749451
 SW2 - 32.193689, -103.749452
 SW3 - 32.193670, -103.749469
 SW4 - 32.193692, -103.749464
 Proposed Excavation Map

Legend

- Background sample
- Excavation area - 18 sqft
- Horizontal delineation samples
- Release area - 36 sqft
- Vertical delineation samples



Google Earth



40 ft

Cotton Draw Unit #605H

Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Confirmation Sample Map (A)

Legend

- ⊙ Confirmation base sample
- ⊙ Confirmation wall sample
- ▭ Excavation area - 18 sqft
- S1 Composite sample

32.193728, -103.749459



Google Earth




30 ft

Cotton Draw Unit #605H

Devon Energy
API #30-015-47297
Eddy County, NM
S1 - 32.193694, -103.749456
S1 Sample Map

Legend


- Original S1 Sample Location


S1  32.193694, -103.749456

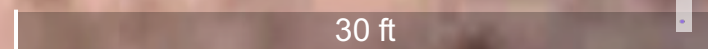


Cotton Draw Unit #605H

Devon Energy
API #30-015-47297
Eddy County, NM
NAPP2311446508
S1 - 32.193694, -103.749456
Excavation Map

 S1- Excavation Area

S1  32.193694, -103.749456



Cotton Draw Unit #605H

Devon Energy
API #30-015-47297
Eddy County, NM
NAPP2311446508
Confirmation Sample Map (B)

Legend

- Confirmation Base Sample
- Confirmation Wall Sample
- Excavation Area- 18 sqft



APPENDIX A

Water Surveys
Water-Related Maps



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

Cotton Draw Unit #605H | nAPP2311446508

DEVON ENERGY PRODUCTION, LP.



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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04388 POD1	C	C	ED	3	2	1	23	24S	31E	617546	3564006	1245	910	868	42
C_04576 POD1	CUB	CUB	ED	1	2	1	23	24S	31E	617700	3564324	1556	910	850	60
C_04633 POD1	CUB	CUB	ED	2	1	1	35	24S	31E	617394	3561170	1624			
C_04636 POD1	CUB	CUB	ED	3	4	3	25	24S	31E	619200	3561279	2124			
C_04643 POD1	C	C	ED	4	2	2	05	23S	27E	619200	3561279	2124	305	135	170
C_04508 POD1	CUB	CUB	ED	4	4	3	15	24S	31E	616298	3564493	2212	110		
C_04654 POD1	CUB	CUB	ED	3	3	4	25	24S	31E	619764	3561226	2589	55		

Average Depth to Water: **617 feet**
 Minimum Depth: **135 feet**
 Maximum Depth: **868 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 617684.29 **Northing (Y):** 3562768.72 **Radius:** 3000

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.

5/30/24 7:07 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT FEB 27 2020 PM 5:04

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.)		WELL TAG ID NO. 22333		OSE FILE NO(S). C 04388	
	WELL OWNER NAME(S) Steve McCutcheon				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS PO BOX 3175				CITY Carlsbad	STATE ZIP NM 88221
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 42 ²⁰ 12	SECONDS 23.384111 11	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

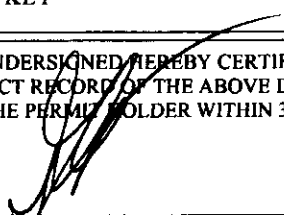
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1058	NAME OF LICENSED DRILLER GARY KEY			NAME OF WELL DRILLING COMPANY KEY'S DRILLING & PUMP SERVICE, INC			
	DRILLING STARTED 12/18/19	DRILLING ENDED 02/22/20	DEPTH OF COMPLETED WELL (FT) 910	BORE HOLE DEPTH (FT) 910	DEPTH WATER FIRST ENCOUNTERED (FT) 868			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 550			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	-1.5	50	16"	STEEL	WELD	10"	.250	
	-1.5	816	9-7/8	STEEL	WELD	6"	.250	
	810	850	9-7/8	STEEL	WELD	4.62	.188	
850	910	9-7/8"	STEEL	WELD	4.62	.188	.100	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	50	16"	CEMENT		HAND
	280	817.5	9-7/8	CEMENT	303.75	PUMP PLUG
0	280	9-7/8"	CEMENT	135	TREMIE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO.	C-4388	POD NO.	1	TRN NO.	664131
LOCATION	Dom 24-31.23.321	WELL TAG ID NO.	22333	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	TOP SOIL	Y ✓ N	
	5	28	23	RED SAND	Y ✓ N	
	28	47	19	RED SANDSTONE	Y ✓ N	
	47	102	55	RED SANDSTONE & CLAY	Y ✓ N	
	102	210	108	RED SANDSTONE	Y ✓ N	
	210	325	115	RED & GARY SANDSTONE	Y ✓ N	
	325	332	37	ANHYDRITE	Y ✓ N	
	332	655	293	RED SANDSTONE	Y ✓ N	
	655	662	7	ANHYDRITE	Y ✓ N	
	662	670	8	GYPSUM & RED SANDSTONE	Y ✓ N	
	670	747	77	GYPSOM	Y ✓ N	
	747	770	23	GRAY SANDSTONE	Y ✓ N	
	770	866	94	LIMESTONE	Y ✓ N	
	866	868	2	WATER BEARING LIMESTONE	✓ Y N	60
	868	910	42	LIMESTONE	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 60	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: COMPLETED WELL W/94FT OPEN HOLE AND INSTALLED TEST PUMP. PUMPED 60GPM BUT BOTTOM OF HOLE WOULD NOT STAY OPEN. PULLED PUMP AND INSTALLED STEEL LINER TO STABILIZE HOLE.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: CASEY KEY	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT FOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 GARY KEY	2/27/2020
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

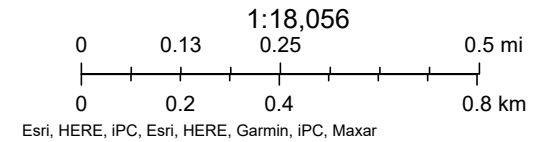
FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. <u>C-4388</u>	POD NO. <u>1</u>	TRN NO. <u>664131</u>	
LOCATION <u>Dom 24.31.23.321</u>	WELL TAG ID NO. <u>22333</u>	PAGE 2 OF 2	

OSE POD Location Map



5/30/2024, 8:15:25 AM

- GIS WATERS PODs
- Active
 - Plugged
 - OSE District Boundary
 - Artesian Planning Area
 - Water Right Regulations
 - Closure Area





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

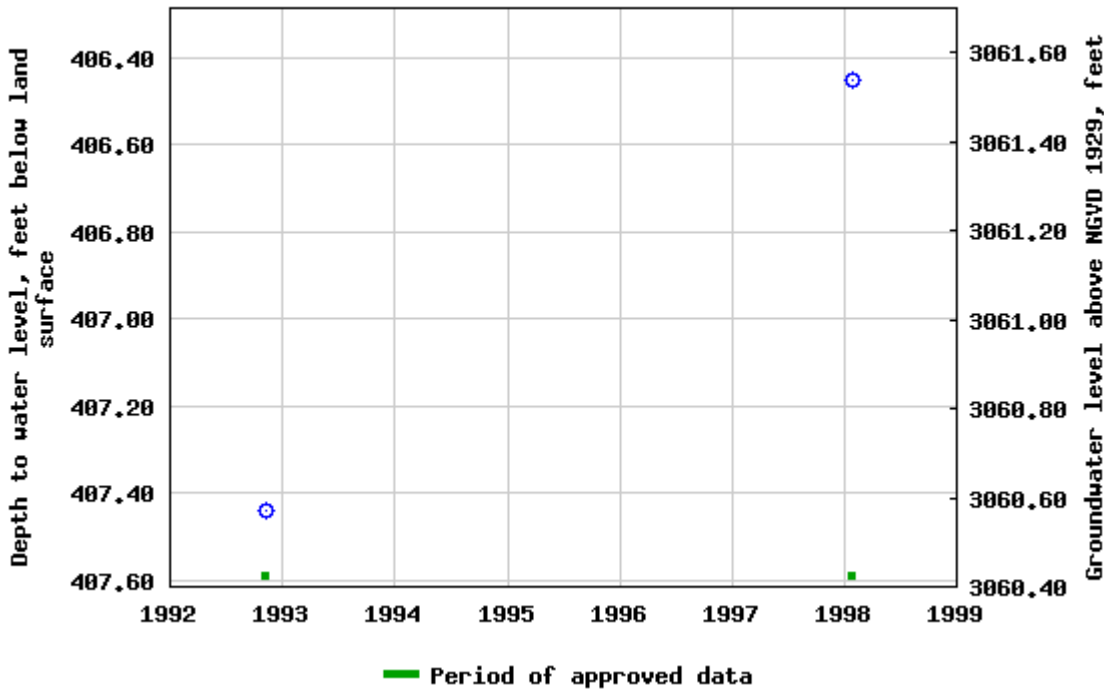
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

USGS 320952103444401 25S,31E,02,214411



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

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[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?>



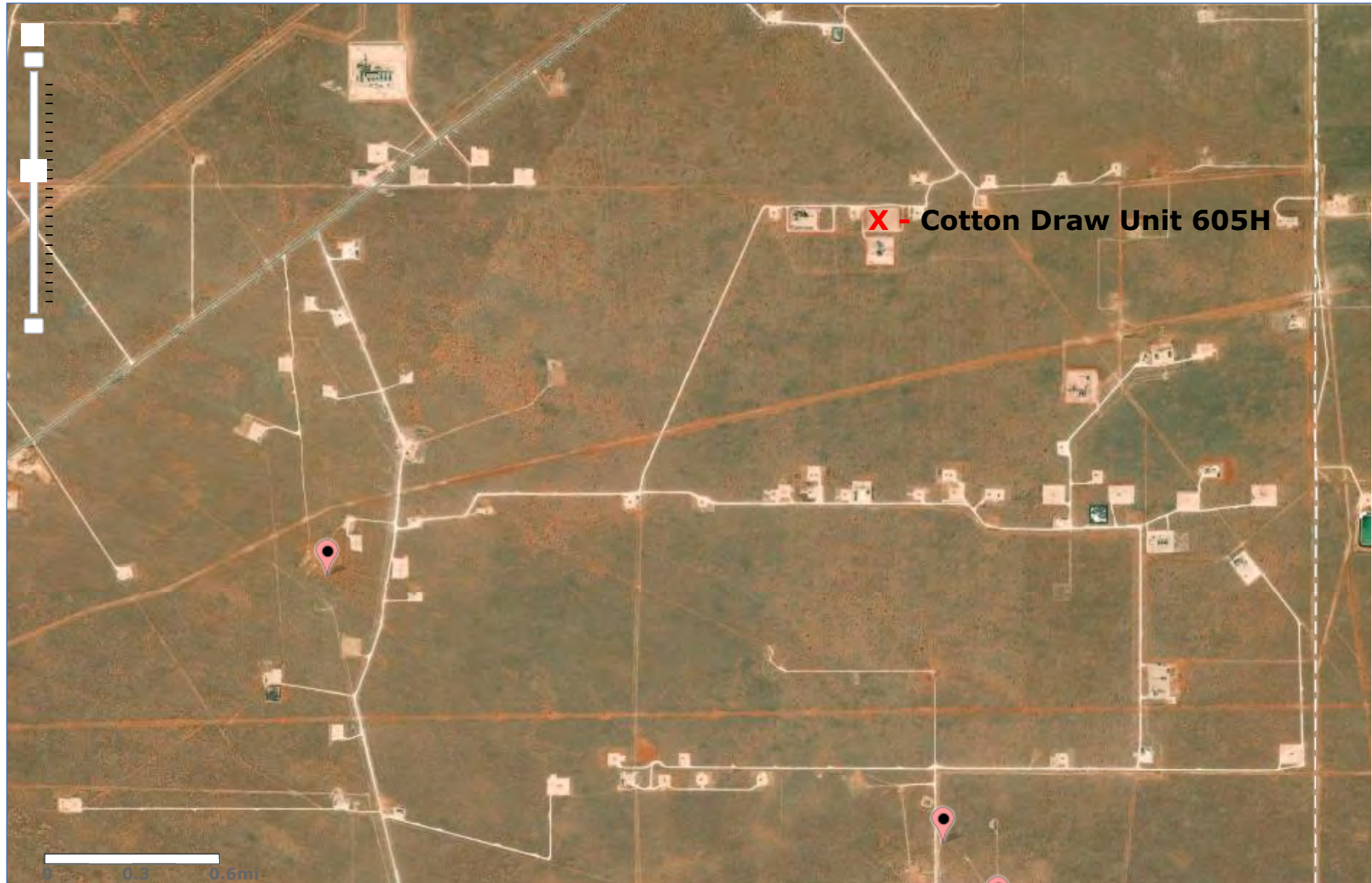
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-04-24 15:32:30 EDT

0.62 0.54 nadww02





National Water Information System: Mapper

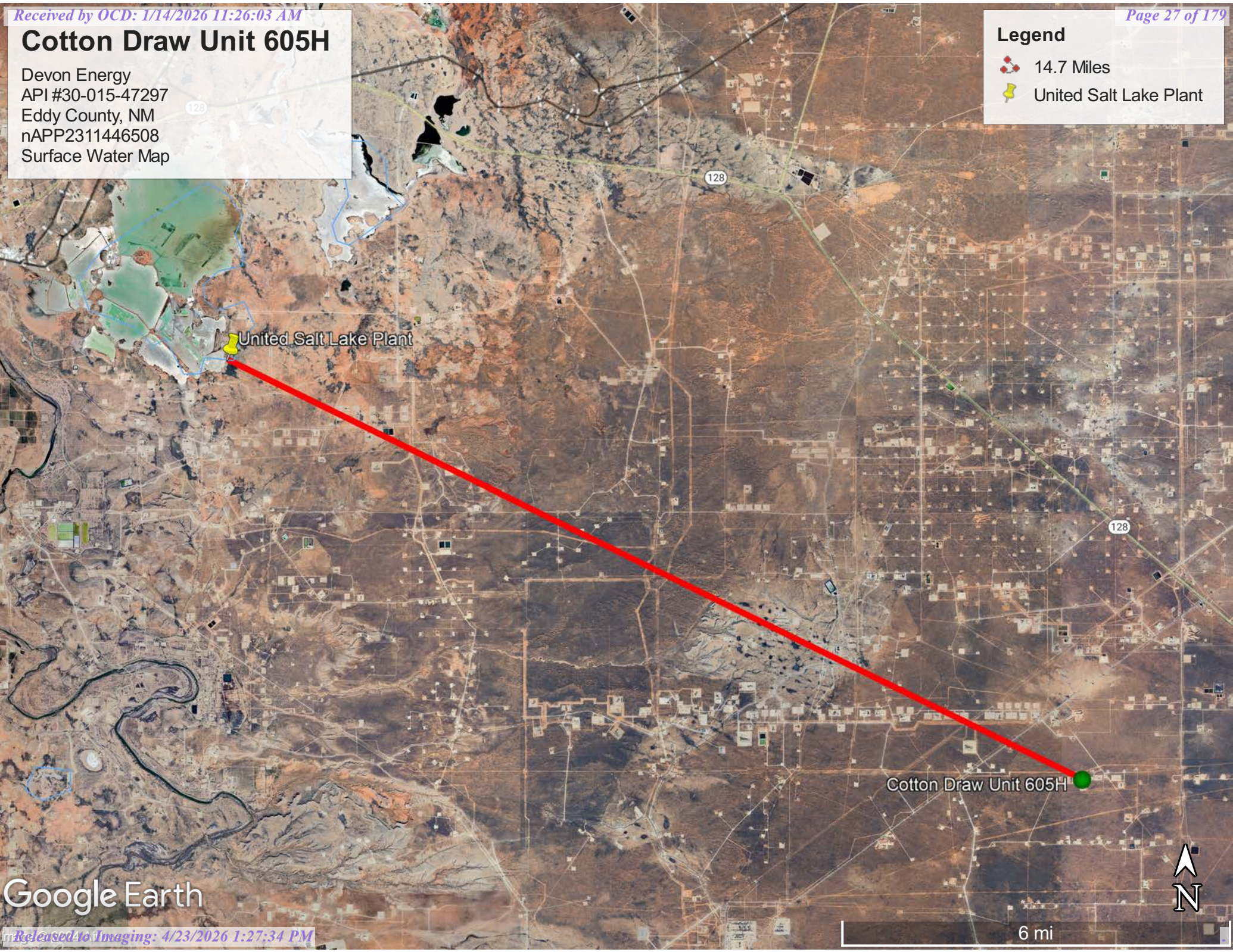


Cotton Draw Unit 605H

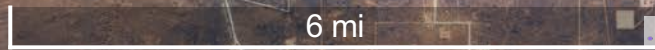
Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Surface Water Map

Legend

-  14.7 Miles
-  United Salt Lake Plant



Google Earth





Wetlands Map



May 21, 2024

Wetlands

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

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

National Flood Hazard Layer FIRMette



103°45'27"W 32°11'55"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**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
- MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped



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 5/20/2024 at 8:41 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.

Released to Imaging: 4/23/2026 1:27:34 PM

1:6,000

103°44'50"W 32°11'24"N

APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



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

Cotton Draw Unit #605H | nAPP2311446508

DEVON ENERGY PRODUCTION, LP.

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

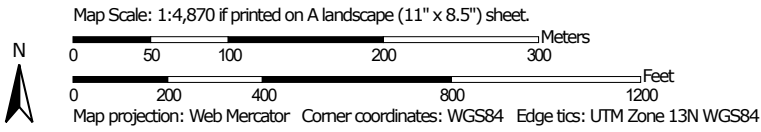
Data Source Information

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

Soil Map—Eddy Area, New Mexico




Soil Map may not be valid at this scale.



Soil Map—Eddy Area, New Mexico


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
 Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Eddy Area, New Mexico



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	118.0	100.0%
Totals for Area of Interest		118.0	100.0%

Cotton Draw Unit #605H

Devon Energy
API #30-015-47297
Eddy County, NM
nAPP2311446508
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Piedmont alluvial deposits



Cotton Draw Unit 605H



APPENDIX C

48-Hour Notification

NMOCD Correspondence



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

Cotton Draw Unit #605H | nAPP2311446508

DEVON ENERGY PRODUCTION, LP.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 423695

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 423695
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2311446508
Incident Name	NAPP2311446508 COTTON DRAW UNIT #605H @ 30-015-47297
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-47297] COTTON DRAW UNIT #605H

Location of Release Source	
Site Name	COTTON DRAW UNIT #605H
Date Release Discovered	04/17/2023
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	18
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2025
Time sampling will commence	04:30 PM
Please provide any information necessary for observers to contact samplers	Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	32.193764, -103.749564

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 423695

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 423695
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/22/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 525003

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 525003
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2311446508
Incident Name	NAPP2311446508 COTTON DRAW UNIT #605H @ 30-015-47297
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-47297] COTTON DRAW UNIT #605H

Location of Release Source	
Site Name	COTTON DRAW UNIT #605H
Date Release Discovered	04/17/2023
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	18
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/12/2025
Time sampling will commence	02:00 PM
Please provide any information necessary for observers to contact samplers	Sampler - Marlon Garcia (575) 659-4450
Please provide any information necessary for navigation to sampling site	32.1953226, -103.751473

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 525003

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 525003
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/10/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/10/2025



Tom Pima Oil <tom@pimaoil.com>

RE: [EXTERNAL] Cotton Draw Unit #605H - nAPP2311446508

Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Tue, Feb 18, 2025 at 2:15 PM

To: Tom Pima Oil <tom@pimaoil.com>

Cc: "Raley, Jim" <Jim.Raley@dvn.com>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>

Tom,

The OCD doesn't prescreen reports. We would need to see the full report before we can make a decision. There are many unknowns (groundwater determination, possible receptors, etc..) that need to be reviewed. Include any and all information pertaining to the site cleanup/remediation. Please upload the report with full site assessment/characterization and we'll take a look at it.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

[506 W. Texas Ave. | Artesia, NM 88210](#)

575.909.0302 | robert.hamlet@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Tom Pima Oil <tom@pimaoil.com>

Sent: Tuesday, February 18, 2025 11:55 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Raley, Jim <Jim.Raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Cotton Draw Unit #605H - nAPP2311446508

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Robert,

Attached is a timeline of activities and explanation associated with this release, at your earliest convenience could you please review and let us know if this would suffice for closure, or if the Division would like further work done to gain more information.

Long story short, we cannot confirm any activities performed at this site between September of 2023 and May of 2024. Pictures show one of the pipelines was capped off, but we cannot confirm when that was completed.

We are happy to include this in the report and resubmit to the Portal for consideration, or gather any additional data you may require to represent the status of the soil in question. Please advise.

"To whom it may concern (c/o James Raley 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#) nAPP2311446508, for the following reasons:

- **The Remediation Closure Report is Denied. Please explain how the samples in the release area on 9/5/2023 had extremely high TPH from surface to 4 feet below surface and 8 months later there were almost none to be found?**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 426812. 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

MANY THANKS,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740

Pima Environmental Services, LLC.

APPENDIX D

Photographic Documentation



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

Cotton Draw Unit #605H | nAPP2311446508

DEVON ENERGY PRODUCTION, LP.



Devon
Cotton Draw Unit 605H
Assessment

9/5/2023



+32.193794, -103.749434
Eddy County
Devon
Cotton draw unit 605H
Assessment

5/21/2024



+32.193887, -103.749434
13° N
Eddy County
Devon
Cotton Draw Unit #605H
Flagging

1/20/25

Photographic Documentation
Cotton Draw Unit #605H

April & September - 2023





**Photographic Documentation
Cotton Draw Unit #605H**



May & June - 2024





Photographic Documentation
Cotton Draw Unit #605H





Photographic Documentation
Cotton Draw Unit #605H

Flagging/Marking – August 2024



Excavation – 2025





**Photographic Documentation
Cotton Draw Unit #605H**



Photographic Documentation
Cotton Draw Unit #605H



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit 605H

Pre- Excavation :



Site Information Sign.

Photograph taken pre-excavation process facing northeast.



Photograph taken pre-excavation process facing southwest.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit 605H

Excavation :



Photo taken during excavation process facing south.



Photo taken during excavation process facing northeast.



Photo taken during excavation process facing northeast.



Photo taken during excavation process.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit 605H

Backfill :



Photo taken post backfill.

Photo taken post backfill.



Photo taken post backfill.

APPENDIX E

Laboratory Reports



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

Cotton Draw Unit #605H | nAPP2311446508

DEVON ENERGY PRODUCTION, LP.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #605H

Work Order: E501191

Job Number: 01058-0007

Received: 1/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/28/25



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #605H
Workorder: E501191
Date Received: 1/28/2025 7:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2025 7:45:00AM, under the Project Name: Cotton Draw Unit #605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #605H 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:

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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 01/28/25 15:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS2 - 2.5'	E501191-01A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.
CSW3 - 2.5'	E501191-02A	Soil	01/24/25	01/28/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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CS2 - 2.5'

E501191-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		77.7 %	70-130	01/28/25	01/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	01/28/25	01/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2505020
Diesel Range Organics (C10-C28)	32.5	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	01/28/25	01/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2505033
Chloride	ND	20.0	1	01/28/25	01/28/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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CSW3 - 2.5'

E501191-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505032
Benzene	ND	0.0250	1	01/28/25	01/28/25	
Ethylbenzene	ND	0.0250	1	01/28/25	01/28/25	
Toluene	ND	0.0250	1	01/28/25	01/28/25	
o-Xylene	ND	0.0250	1	01/28/25	01/28/25	
p,m-Xylene	ND	0.0500	1	01/28/25	01/28/25	
Total Xylenes	ND	0.0250	1	01/28/25	01/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		78.3 %	70-130	01/28/25	01/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/28/25	01/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	01/28/25	01/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/28/25	01/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/28/25	01/28/25	
<i>Surrogate: n-Nonane</i>						
		94.0 %	50-200	01/28/25	01/28/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505033
Chloride	ND	20.0	1	01/28/25	01/28/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505032-BLK1)

Prepared: 01/27/25 Analyzed: 01/27/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

LCS (2505032-BS1)

Prepared: 01/27/25 Analyzed: 01/28/25

Benzene	4.42	0.0250	5.00		88.5	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.1	70-130			
Toluene	4.57	0.0250	5.00		91.3	70-130			
o-Xylene	4.60	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.5	70-130			

LCS Dup (2505032-BSD1)

Prepared: 01/27/25 Analyzed: 01/28/25

Benzene	4.80	0.0250	5.00		96.0	70-130	8.19	20	
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130	8.26	20	
Toluene	4.95	0.0250	5.00		99.0	70-130	8.11	20	
o-Xylene	4.97	0.0250	5.00		99.5	70-130	7.87	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	8.16	20	
Total Xylenes	15.0	0.0250	15.0		100	70-130	8.06	20	
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505032-BLK1)

Prepared: 01/27/25 Analyzed: 01/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			

LCS (2505032-BS2)

Prepared: 01/27/25 Analyzed: 01/28/25

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

LCS Dup (2505032-BSD2)

Prepared: 01/27/25 Analyzed: 01/28/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130	2.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505020-BLK1)

Prepared: 01/27/25 Analyzed: 01/28/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.6		50.0		115	50-200			

LCS (2505020-BS1)

Prepared: 01/27/25 Analyzed: 01/28/25

Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			

Matrix Spike (2505020-MS1)

Source: E501187-08

Prepared: 01/27/25 Analyzed: 01/28/25

Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2505020-MSD1)

Source: E501187-08

Prepared: 01/27/25 Analyzed: 01/28/25

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	6.19	20	
Surrogate: n-Nonane	54.4		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/28/2025 3:32:57PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505033-BLK1)

Prepared: 01/28/25 Analyzed: 01/28/25

Chloride	ND	20.0							
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LCS (2505033-BS1)

Prepared: 01/28/25 Analyzed: 01/28/25

Chloride	258	20.0	250		103	90-110			
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LCS Dup (2505033-BSD1)

Prepared: 01/28/25 Analyzed: 01/28/25

Chloride	258	20.0	250		103	90-110	0.0353	20	
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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 #605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/28/25 15:32

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.



Client Information		Invoice Information		Lab Use Only		TAT		State					
Client: Pima Environmental Services, LLC		Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cotton Draw Unit #605H		Address:		E 501/91	61058-0007	X				X			
Project Manager: Tom Bynum		City, State, Zip:											
Address: 5614 N Lovington Hwy		Phone:											
City, State, Zip: Hobbs, NM 88240		Email:											
Phone: (580)748-1613		Miscellaneous: Project No. #1-297											
Email: Tom@pimaoil.com													

Sample Information										Analysis and Method								EPA Program			Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA						
4:30	1/24/2025	S		CS2- 2.5'		1																		
4:47	I	I		CSW3- 2.5'		2																		

Additional Instructions: W/O # 21155757

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

Sampled by: Andrew Franco										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 oC on subsequent days.			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC 4							
Manisa Iyva	1/24/25	5:40	Karime Adams	1/27/25	9:07								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
Karime Adams	1/27/25	12:49	Michelle Gonzales	1-27-25	1249								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
Michelle Gonzales	1-27-25	1600	John H	1-27-25	1615								
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time								
John H	1-27-25	2230	Caitlin Mann	1-28-25	745								

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

Envirotech Analytical Laboratory

Printed: 1/28/2025 9:22:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 01/28/25 07:45 Work Order ID: E501191
Phone: (575) 631-6977 Date Logged In: 01/27/25 14:42 Logged In By: Noe Soto
Email: tom@pimaoil.com Due Date: 01/28/25 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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #605H

Work Order: E501207

Job Number: 01058-0007

Received: 1/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/29/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/29/25



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #605H
Workorder: E501207
Date Received: 1/29/2025 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/29/2025 7:15:00AM, under the Project Name: Cotton Draw Unit #605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #605H 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
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 01/29/25 15:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1- Comp	E501207-01A	Soil	01/24/25	01/29/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/29/2025 3:04:52PM
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S1- Comp
E501207-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2505062
Benzene	ND	0.0250	1	01/29/25	01/29/25	
Ethylbenzene	ND	0.0250	1	01/29/25	01/29/25	
Toluene	ND	0.0250	1	01/29/25	01/29/25	
o-Xylene	ND	0.0250	1	01/29/25	01/29/25	
p,m-Xylene	ND	0.0500	1	01/29/25	01/29/25	
Total Xylenes	ND	0.0250	1	01/29/25	01/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	01/29/25	01/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2505062
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/25	01/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	01/29/25	01/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2505064
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/25	01/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/25	01/29/25	
<i>Surrogate: n-Nonane</i>		112 %	50-200	01/29/25	01/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2505066
Chloride	ND	20.0	1	01/29/25	01/29/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/29/2025 3:04:52PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505062-BLK1)

Prepared: 01/28/25 Analyzed: 01/28/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

LCS (2505062-BS1)

Prepared: 01/28/25 Analyzed: 01/28/25

Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.39	0.0250	5.00		87.8	70-130			
Toluene	4.51	0.0250	5.00		90.1	70-130			
o-Xylene	4.39	0.0250	5.00		87.7	70-130			
p,m-Xylene	8.95	0.0500	10.0		89.5	70-130			
Total Xylenes	13.3	0.0250	15.0		88.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

LCS Dup (2505062-BSD1)

Prepared: 01/28/25 Analyzed: 01/28/25

Benzene	5.02	0.0250	5.00		100	70-130	9.11	20	
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130	9.60	20	
Toluene	4.94	0.0250	5.00		98.8	70-130	9.18	20	
o-Xylene	4.83	0.0250	5.00		96.5	70-130	9.56	20	
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130	9.45	20	
Total Xylenes	14.7	0.0250	15.0		97.8	70-130	9.48	20	
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/29/2025 3:04:52PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505062-BLK1)

Prepared: 01/28/25 Analyzed: 01/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

LCS (2505062-BS2)

Prepared: 01/28/25 Analyzed: 01/29/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

LCS Dup (2505062-BSD2)

Prepared: 01/28/25 Analyzed: 01/29/25

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130	1.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/29/2025 3:04:52PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505064-BLK1)

Prepared: 01/29/25 Analyzed: 01/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2505064-BS1)

Prepared: 01/29/25 Analyzed: 01/29/25

Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

LCS Dup (2505064-BSD1)

Prepared: 01/29/25 Analyzed: 01/29/25

Diesel Range Organics (C10-C28)	286	25.0	250		114	38-132	1.52	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 1/29/2025 3:04:52PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505066-BLK1)

Prepared: 01/29/25 Analyzed: 01/29/25

Chloride ND 20.0

LCS (2505066-BS1)

Prepared: 01/29/25 Analyzed: 01/29/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2505066-MS1)

Source: E501208-03

Prepared: 01/29/25 Analyzed: 01/29/25

Chloride 256 20.0 250 ND 103 80-120

Matrix Spike Dup (2505066-MSD1)

Source: E501208-03

Prepared: 01/29/25 Analyzed: 01/29/25

Chloride 257 20.0 250 ND 103 80-120 0.112 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 #605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/29/25 15:04

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.



Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT		State					
Client: Pima Environmental Services, LLC		Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cotton Draw Unit #605H		Address:		E501207	01058-0007	X				X			
Project Manager: Tom Bynum		City, State, Zip:											
Address: 5614 N Lovington Hwy		Phone:											
City, State, Zip: Hobbs, NM 88240		Email:											
Phone: (580)748-1613		Miscellaneous: Project No. #1-297											
Email: Tom@pimaoil.com													

Sample Information						Analysis and Method								EPA Program			Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Custom/Anion Pkg	SDWA		CWA	RCRA	
Compliance Y or N																				
4:55	1/24/2025	S		S1-Comp		1						X								

Additional Instructions: W/O # 21155757

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

Sampled by: Andrew Franco						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 oC on subsequent days. Lab Use Only Received on ice: <u>Y</u> / <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Andrew Franco	1/24/25	5:50	Karime Horne	1/28/25	2:00						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Karime Horne	1/28/25	2:06	Michelle Gonzalez	1-28-25	1450						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzalez	1-28-25	1730	John J.	1-28-25	1730						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
John J.	1-28-25	2330	Curtis Mc	1-29-25	715						

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 1/29/2025 9:03:15AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/29/25 07:15	Work Order ID:	E501207
Phone:	(575) 631-6977	Date Logged In:	01/28/25 15:21	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	01/29/25 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? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

No of containers not listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 605H

Work Order: E309044

Job Number: 01058-0007

Received: 9/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/13/23

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: 9/13/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 605H
Workorder: E309044
Date Received: 9/7/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2023 8:15:00AM, under the Project Name: Cotton Draw Unit 605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 605H 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,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 09/13/23 14:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1	E309044-01A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
S1 - 2	E309044-02A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
S1 - 3	E309044-03A	Soil	09/05/23	09/07/23	Glass Jar, 32 oz.
S1 - 4	E309044-04A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
SW1	E309044-05A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
SW2	E309044-06A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
SW3	E309044-07A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
SW4	E309044-08A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.
BG1	E309044-09A	Soil	09/05/23	09/07/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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S1 - 1
E309044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	0.0575	0.0500	1	09/09/23	09/11/23	
Total Xylenes	0.0575	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	1510	25.0	1	09/11/23	09/11/23	
Oil Range Organics (C28-C36)	486	50.0	1	09/11/23	09/11/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/11/23	09/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	63.5	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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S1 - 2
E309044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	0.178	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	0.109	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	0.627	0.0500	1	09/09/23	09/11/23	
Total Xylenes	0.736	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	33.8	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	6500	500	20	09/11/23	09/13/23	
Oil Range Organics (C28-C36)	2480	1000	20	09/11/23	09/13/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/11/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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S1 - 3

E309044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	0.181	0.0250	1	09/09/23	09/11/23	
Toluene	0.0289	0.0250	1	09/09/23	09/11/23	
o-Xylene	0.180	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	0.669	0.0500	1	09/09/23	09/11/23	
Total Xylenes	0.849	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	33.8	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	4450	250	10	09/11/23	09/13/23	
Oil Range Organics (C28-C36)	1570	500	10	09/11/23	09/13/23	
<i>Surrogate: n-Nonane</i>		92.5 %	50-200	09/11/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	49.5	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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S1 - 4

E309044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	0.203	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	0.186	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	0.789	0.0500	1	09/09/23	09/11/23	
Total Xylenes	0.975	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	40.9	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	6030	500	20	09/11/23	09/13/23	
Oil Range Organics (C28-C36)	2280	1000	20	09/11/23	09/13/23	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	09/11/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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SW1

E309044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	0.0422	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	0.0869	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	0.0869	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/13/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/11/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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SW2

E309044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/13/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/11/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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SW3

E309044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	09/11/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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SW4

E309044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	09/11/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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BG1

E309044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Benzene	ND	0.0250	1	09/09/23	09/11/23	
Ethylbenzene	ND	0.0250	1	09/09/23	09/11/23	
Toluene	ND	0.0250	1	09/09/23	09/11/23	
o-Xylene	ND	0.0250	1	09/09/23	09/11/23	
p,m-Xylene	ND	0.0500	1	09/09/23	09/11/23	
Total Xylenes	ND	0.0250	1	09/09/23	09/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2336095
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/23	09/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	09/09/23	09/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2337003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/11/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/11/23	09/12/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/11/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2337012
Chloride	ND	20.0	1	09/11/23	09/12/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336095-BLK1)

Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

LCS (2336095-BS1)

Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike (2336095-MS1)

Source: E309039-01

Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.70	0.0250	5.00	ND	94.0	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			

Matrix Spike Dup (2336095-MSD1)

Source: E309039-01

Prepared: 09/09/23 Analyzed: 09/11/23

Benzene	4.49	0.0250	5.00	ND	89.8	54-133	3.55	20	
Ethylbenzene	4.48	0.0250	5.00	ND	89.5	61-133	3.94	20	
Toluene	4.51	0.0250	5.00	ND	90.3	61-130	4.06	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	3.84	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	4.03	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131	3.97	20	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2336095-BLK1)

Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

LCS (2336095-BS2)

Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike (2336095-MS2)

Source: E309039-01

Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike Dup (2336095-MSD2)

Source: E309039-01

Prepared: 09/09/23 Analyzed: 09/11/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337003-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.3		50.0		127	50-200			

LCS (2337003-BS1)

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike (2337003-MS1)

Source: E309042-02

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike Dup (2337003-MSD1)

Source: E309042-02

Prepared: 09/11/23 Analyzed: 09/11/23

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	0.651	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/13/2023 2:48:33PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337012-BLK1)

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	ND	20.0							
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LCS (2337012-BS1)

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	244	20.0	250		97.5	90-110			
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Matrix Spike (2337012-MS1)

Source: E309039-01

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	587	200	250	361	90.2	80-120			
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Matrix Spike Dup (2337012-MSD1)

Source: E309039-01

Prepared: 09/11/23 Analyzed: 09/11/23

Chloride	636	200	250	361	110	80-120	8.12	20	
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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 605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/13/23 14:48

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

COTTON DRAW UNIT
605H

E309044 | 01058-0007

Client: Pima Environmental Services		Bill To		TAT			EPA Program		
Project: CDU 605H		Attention: Devon		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method				RCRA	
Address: 5614 N. Lovington Hwy.		City, State, Zip						State	
City, State, Zip Hobbs, NM, 88240		Phone:							
Phone: 580-748-1613		Email:						NM CO UT AZ TX <input checked="" type="checkbox"/>	
Email: tom@pimaoil.com		Pima Project # 297							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	9/5	S	1	SI-1	1							X		
8:05			2	SI-2	2									
8:07			3	SI-3	3									
8:11			4	SI-4	4									
8:13			5	SW1	5									
8:15			6	SW2	6									
8:16			7	SW3	7									
8:19			8	SW4	8									
8:22			9	BG1	9									

Additional Instructions: Billing# 21155757

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by:** 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 Adams	Date 9/6/23	Time 1:00	Received by: (Signature) Michelle Camp	Date 9-6-23	Time 1:30	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N AVG Temp °C: 4
Relinquished by: (Signature) Michelle Camp	Date 9-6-23	Time 1:30	Received by: (Signature) Andrew Mlyga	Date 9-6-23	Time 1:60	
Relinquished by: (Signature) Andrew Mlyga	Date 9-7-23	Time 0:00	Received by: (Signature) Cath Mar	Date 9/7/23	Time 8:15	

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

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



Project Information

Chain of Custody

Cotton Draw Unit
605H

E309044 | 01058-0007

Client: Pima Environmental Services		Attention: <u>Devon</u>		TAT			EPA Program		
Project: <u>CDU 605H</u>		Bill To		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:						X	
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method				RCRA	
City, State, Zip: Hobbs, NM, 88240		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0
Phone: 580-748-1613		Email:						BGDOC NM	BGDOC TX
Email: tom@pimaoil.com		Pima Project # <u>297</u>		State					
Report due by:				NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	9/5	S	1	S1-1	1							X		Corrected
8:05			2	S1-2	2									NO. OF Containers.
8:07			3	S1-3	3									9/7/23 CM
8:11			4	S1-4	4									
8:13			5	SW1	5									
8:15			6	SW2	6									
8:16			7	SW3	7									
8:19			8	SW4	8									
8:22			9	BG1	9									

Additional Instructions: Billing# 21155757

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>Yarime Adams</u>	Date 9/6/23	Time 1:00	Received by: (Signature) <u>Michelle Camp</u>	Date 9-6-23	Time 1:30	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Camp</u>	Date 9-6-23	Time 15:30	Received by: (Signature) <u>Andrew Mlysa</u>	Date 9-6-23	Time 16:00	
Relinquished by: (Signature) <u>Andrew Mlysa</u>	Date 9-7-23	Time 06:00	Received by: (Signature) <u>Cathy Mae</u>	Date 9/7/23	Time 8:15	

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

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

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



Envirotech Analytical Laboratory

Printed: 9/7/2023 9:31:58AM

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: 09/07/23 08:15 Work Order ID: E309044
Phone: (575) 631-6977 Date Logged In: 09/06/23 15:42 Logged In By: Caitlin Mars
Email: tom@pimaoil.com Due Date: 09/13/23 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instructions.

Comments/Resolution

No. of containers incorrect on COC.

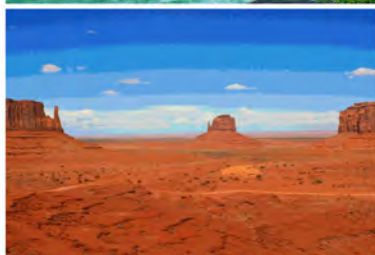
Signature of client authorizing changes to the COC or sample disposition.

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 605

Work Order: E405247

Job Number: 01058-0007

Received: 5/17/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/29/24

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: 5/29/24



Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 605
Workorder: E405247
Date Received: 5/17/2024 7:45:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/17/2024 7:45:00AM, under the Project Name: Cotton Draw Unit 605.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 605 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
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 05/29/24 12:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E405247-01A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
S1 - 2'	E405247-02A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
S1 - 3'	E405247-03A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
S1 - 4'	E405247-04A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
SW1	E405247-05A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
SW2	E405247-06A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
SW3	E405247-07A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
SW4	E405247-08A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.
BG1	E405247-09A	Soil	05/15/24	05/17/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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S1 - 1'

E405247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	57.1	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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S1 - 2'

E405247-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	36.5	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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S1 - 3'

E405247-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	34.5	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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S1 - 4'

E405247-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	ND	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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SW1

E405247-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	21.2	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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SW2

E405247-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	27.5	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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SW3

E405247-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	22.3	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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SW4

E405247-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	33.6	20.0	1	05/22/24	05/22/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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BG1

E405247-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Benzene	ND	0.0250	1	05/21/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/21/24	05/25/24	
Toluene	ND	0.0250	1	05/21/24	05/25/24	
o-Xylene	ND	0.0250	1	05/21/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/21/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/21/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2421054
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/21/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2421069
Diesel Range Organics (C10-C28)	ND	25.0	1	05/22/24	05/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/22/24	05/23/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	05/22/24	05/23/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421094
Chloride	26.4	20.0	1	05/22/24	05/22/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421054-BLK1)

Prepared: 05/21/24 Analyzed: 05/25/24

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	7.53		8.00		94.1	70-130			

LCS (2421054-BS1)

Prepared: 05/21/24 Analyzed: 05/28/24

Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

LCS Dup (2421054-BSD1)

Prepared: 05/21/24 Analyzed: 05/28/24

Benzene	4.87	0.0250	5.00		97.4	70-130	7.39	20	
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130	7.37	20	
Toluene	4.86	0.0250	5.00		97.2	70-130	7.48	20	
o-Xylene	4.77	0.0250	5.00		95.3	70-130	7.49	20	
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130	7.37	20	
Total Xylenes	14.4	0.0250	15.0		96.1	70-130	7.41	20	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421054-BLK1)

Prepared: 05/21/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			

LCS (2421054-BS2)

Prepared: 05/21/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

LCS Dup (2421054-BSD2)

Prepared: 05/21/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	0.215	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421069-BLK1)

Prepared: 05/22/24 Analyzed: 05/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.3		50.0		119	50-200			

LCS (2421069-BS1)

Prepared: 05/22/24 Analyzed: 05/23/24

Diesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132			
Surrogate: n-Nonane	57.0		50.0		114	50-200			

LCS Dup (2421069-BSD1)

Prepared: 05/22/24 Analyzed: 05/23/24

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	38-132	7.82	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/29/2024 12:04:48PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421094-BLK1)

Prepared: 05/22/24 Analyzed: 05/22/24

Chloride	ND	20.0							
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LCS (2421094-BS1)

Prepared: 05/22/24 Analyzed: 05/22/24

Chloride	251	20.0	250		100	90-110			
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LCS Dup (2421094-BSD1)

Prepared: 05/22/24 Analyzed: 05/22/24

Chloride	251	20.0	250		101	90-110	0.115	20	
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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 605	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/29/24 12:04

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

Job #

Page 1 of 1

E 405247 01058-0007

Client: **Pima Environmental Services**
 Project: Cotton Draw Unit 605
 Project Manager: Glo Gomez
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 800-782-1151
 Email: glo@pimaenv.com
 Report due by:

Bill To
 Attention: Devon
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 297

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
Analysis and Method					
RCRA					

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	DRO by 8015	GR/DWA by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:12	5/15	S		SI-1'							X		
8:21				SI-2'									
8:33				SI-3'									
8:42				SI-4'									
8:51				SW1									
9:14				SW2									
9:26				SW3									
9:34				SW4									
9:50				BG1									

Additional Instructions: Billing # 21155757

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) <u>Karime Adame</u>	Date <u>5-16-24</u>	Time <u>1315</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-16-24</u>	Time <u>1315</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1: _____ T2: _____ T3: _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-16-24</u>	Time <u>1600</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-16-24</u>	Time <u>1830</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-16-24</u>	Time <u>2400</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/17/24</u>	Time <u>0745</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.



Envirotech Analytical Laboratory

Printed: 5/17/2024 12:25:15PM

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: 05/17/24 07:45 Work Order ID: E405247
Phone: (575) 631-6977 Date Logged In: 05/17/24 09:06 Logged In By: Angelina Pineda
Email: gio@pimaoil.com Due Date: 05/23/24 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

No. of containers not documented on COC by client

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

[Empty box for 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 605H

Work Order: E405331

Job Number: 01058-0007

Received: 5/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/3/24

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: 6/3/24



Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 605H
Workorder: E405331
Date Received: 5/23/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2024 6:00:00AM, under the Project Name: Cotton Draw Unit 605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 605H 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 06/03/24 15:00
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S2 - 1'	E405331-01A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 2'	E405331-02A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 3'	E405331-03A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 4'	E405331-04A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW1 (0-4')	E405331-05A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW2 (0-4')	E405331-06A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW3 (0-4')	E405331-07A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
SW4 (0-4')	E405331-08A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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S2 - 1'

E405331-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.9 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.9 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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S2 - 2'

E405331-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	93.1	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	52.7	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	75.8	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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S2 - 3'

E405331-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	27.1	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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S2 - 4'

E405331-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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SW1 (0-4')

E405331-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	05/24/24	05/25/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	05/24/24	05/25/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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SW2 (0-4')

E405331-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/26/24	
Toluene	ND	0.0250	1	05/24/24	05/26/24	
o-Xylene	ND	0.0250	1	05/24/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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SW3 (0-4')

E405331-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/26/24	
Toluene	ND	0.0250	1	05/24/24	05/26/24	
o-Xylene	ND	0.0250	1	05/24/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.1 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.1 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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SW4 (0-4')

E405331-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Benzene	ND	0.0250	1	05/24/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/26/24	
Toluene	ND	0.0250	1	05/24/24	05/26/24	
o-Xylene	ND	0.0250	1	05/24/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421166
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/26/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	05/24/24	05/26/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	05/24/24	05/26/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	05/24/24	05/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2422111
Diesel Range Organics (C10-C28)	ND	25.0	1	05/31/24	06/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/31/24	06/01/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/31/24	06/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421183
Chloride	ND	20.0	1	05/25/24	05/26/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2421166-BLK1)

Prepared: 05/24/24 Analyzed: 05/25/24

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	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2421166-BS1)

Prepared: 05/24/24 Analyzed: 05/25/24

Benzene	2.30	0.0250	2.50		92.1	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.568		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS Dup (2421166-BSD1)

Prepared: 05/24/24 Analyzed: 05/25/24

Benzene	2.27	0.0250	2.50		90.7	70-130	1.51	23	
Ethylbenzene	2.48	0.0250	2.50		99.1	70-130	2.20	27	
Toluene	2.47	0.0250	2.50		98.9	70-130	2.08	24	
o-Xylene	2.66	0.0250	2.50		106	70-130	1.65	27	
p,m-Xylene	5.34	0.0500	5.00		107	70-130	1.96	27	
Total Xylenes	8.00	0.0250	7.50		107	70-130	1.86	27	
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421166-BLK1)

Prepared: 05/24/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2421166-BS2)

Prepared: 05/24/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

LCS Dup (2421166-BSD2)

Prepared: 05/24/24 Analyzed: 05/25/24

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130	0.00521	20	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422111-BLK1)

Prepared: 05/31/24 Analyzed: 05/31/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	50-200			

LCS (2422111-BS1)

Prepared: 05/31/24 Analyzed: 05/31/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

LCS Dup (2422111-BSD1)

Prepared: 05/31/24 Analyzed: 06/01/24

Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132	4.73	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/3/2024 3:00:48PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421183-BLK1)

Prepared: 05/25/24 Analyzed: 05/25/24

Chloride	ND	20.0							
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LCS (2421183-BS1)

Prepared: 05/25/24 Analyzed: 05/25/24

Chloride	252	20.0	250		101	90-110			
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LCS Dup (2421183-BSD1)

Prepared: 05/25/24 Analyzed: 05/25/24

Chloride	252	20.0	250		101	90-110	0.137	20	
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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 605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/03/24 15:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit 605H 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 # 1-297		Lab Use Only Lab WO# 405331 Job Number 01058-0001				TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
	Analysis and Method											
	State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>											
	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	Remarks
8:00	S	S		S2-1'	1							X		
8:03				S2-2'	2									
8:11				S2-3'	3									
8:16				S2-4'	4									
8:20				SW1 (0-4')	5									
8:27				SW2 (0-4')	6									
8:33				SW3 (0-4')	7									
8:39				SW4 (0-4')	8									

Additional Instructions: B# 21155757

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) Kerime Adame	Date 5/22/24	Time 12:56	Received by: (Signature) Michelle Gonzalez	Date 5/22/24	Time 1256	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gonzalez	Date 5/22/24	Time 1545	Received by: (Signature) [Signature]	Date 5/22/24	Time 1745	
Relinquished by: (Signature) [Signature]	Date 5/22/24	Time 2400	Received by: (Signature) [Signature]	Date 5/23/24	Time 0600	

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.



Envirotech Analytical Laboratory

Printed: 5/28/2024 8:27:15AM

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: 05/23/24 06:00	Work Order ID: E405331
Phone: (575) 631-6977	Date Logged In: 05/23/24 10:44	Logged In By: Angelina Pineda
Email: gio@pimaoil.com	Due Date: 05/30/24 17:00 (5 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

No.of containers and Date sampled is not documented on COC by client

Client Instruction

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

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #605H

Work Order: E507336

Job Number: 01058-0007

Received: 7/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/5/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 8/5/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #605H
Workorder: E507336
Date Received: 7/30/2025 8:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2025 8:00:00AM, under the Project Name: Cotton Draw Unit #605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #605H 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
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mgonzales@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 08/05/25 16:02
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-Surface	E507336-01A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
S1-1'	E507336-02A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
S1-2'	E507336-03A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
S1-3'	E507336-04A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
S1-4'	E507336-05A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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S1-Surface
E507336-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	3800	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	2110	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		85.8 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2531157
Chloride	68.8	20.0	1	08/01/25	08/01/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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S1-1'

E507336-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	313	25.0	1	07/31/25	08/04/25	
Oil Range Organics (C28-C36)	154	50.0	1	07/31/25	08/04/25	
<i>Surrogate: n-Nonane</i>		83.4 %	61-141	07/31/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531157
Chloride	ND	20.0	1	08/01/25	08/01/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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S1-2'

E507336-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	1340	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	604	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		85.9 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2531157
Chloride	ND	20.0	1	08/01/25	08/01/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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S1-3'

E507336-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	382	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	229	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		85.0 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531157
Chloride	ND	20.0	1	08/01/25	08/01/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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S1-4'

E507336-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	384	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	214	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		83.6 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531157
Chloride	ND	20.0	1	08/01/25	08/01/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531183-BLK1)

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.540		0.500		108		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.585		0.500		117		70-130		
Surrogate: Toluene-d8	0.498		0.500		99.6		70-130		

LCS (2531183-BS1)

Prepared: 08/01/25 Analyzed: 08/05/25

Benzene	2.57	0.0250	2.50		103		70-130		
Ethylbenzene	2.63	0.0250	2.50		105		70-130		
Toluene	2.53	0.0250	2.50		101		70-130		
o-Xylene	2.60	0.0250	2.50		104		70-130		
p,m-Xylene	5.40	0.0500	5.00		108		70-130		
Total Xylenes	8.00	0.0250	7.50		107		70-130		
Surrogate: Bromofluorobenzene	0.542		0.500		108		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8		70-130		
Surrogate: Toluene-d8	0.514		0.500		103		70-130		

Matrix Spike (2531183-MS1)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/05/25

Benzene	2.53	0.0250	2.50	ND	101		48-131		
Ethylbenzene	2.59	0.0250	2.50	ND	104		45-135		
Toluene	2.49	0.0250	2.50	ND	99.5		48-130		
o-Xylene	2.56	0.0250	2.50	ND	102		43-135		
p,m-Xylene	5.30	0.0500	5.00	ND	106		43-135		
Total Xylenes	7.86	0.0250	7.50	ND	105		43-135		
Surrogate: Bromofluorobenzene	0.543		0.500		109		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		

Matrix Spike Dup (2531183-MSD1)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	2.39	0.0250	2.50	ND	95.5	48-131	5.93	23	
Ethylbenzene	2.40	0.0250	2.50	ND	96.0	45-135	7.67	27	
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	7.87	24	
o-Xylene	2.35	0.0250	2.50	ND	93.9	43-135	8.62	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135	10.2	27	
Total Xylenes	7.14	0.0250	7.50	ND	95.1	43-135	9.67	27	
Surrogate: Bromofluorobenzene	0.538		0.500		108		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0		70-130		
Surrogate: Toluene-d8	0.504		0.500		101		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531183-BLK1)

Prepared: 08/01/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.585		0.500		117	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS (2531183-BS2)

Prepared: 08/01/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.9	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike (2531183-MS2)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	60.1	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2531183-MSD2)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	61.1	20.0	50.0	ND	122	70-130	1.65	20	
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531141-BLK1)

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.4		50.0		86.9	61-141			

LCS (2531141-BS1)

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	43.8		50.0		87.7	61-141			

Matrix Spike (2531141-MS1)

Source: E507337-09

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	559	25.0	250	315	97.7	56-156			
Surrogate: n-Nonane	45.3		50.0		90.6	61-141			

Matrix Spike Dup (2531141-MSD1)

Source: E507337-09

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	556	25.0	250	315	96.1	56-156	0.706	20	
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 8/5/2025 4:02:27PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531157-BLK1)

Prepared: 08/01/25 Analyzed: 08/01/25

Chloride ND 20.0

LCS (2531157-BS1)

Prepared: 08/01/25 Analyzed: 08/01/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2531157-MS1)

Source: E507333-43

Prepared: 08/01/25 Analyzed: 08/01/25

Chloride 307 20.0 250 79.0 91.1 80-120

Matrix Spike Dup (2531157-MSD1)

Source: E507333-43

Prepared: 08/01/25 Analyzed: 08/01/25

Chloride 316 20.0 250 79.0 95.0 80-120 3.06 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 #605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	08/05/25 16:02

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.



Chain of Custody

Client Information				Invoice Information			Lab Use Only				TAT				State										
Client: Pima Environmental Services, LLC Project Name: Cotton Draw Unit #605H Project Manager: DelRae Geller Address: 5614 North Lovington Hwy City, State, Zip: Hobbs, NM, 88240 Phone: Email: delrae@pimaoil.com				Company: Devon Energy C/O: Jim Raley WO #: 21155757 Phone: Email: Miscellaneous: Pima Project #1-297			Lab WO# E 50133601058007				Job Number				1D 2D 3D Std X				NM CO UT TX X						
Sample Information										Analysis and Method				EPA Program											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRD/DRO by 8015	GRD/DRO by 8015	BTX by 8021	VOC by 8160	Chloride 300.0	TCO 305 - TX	RCRA 8 Metals	BEROC - NM	BEROC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks
8:05	7-28-25	S	1	S1-Surface		1								X										2.6	Added Sample times per Client. 7/30/25 CM
8:11	7-28-25	S	1	S1-1'		2								X									2.4		
8:23	7-28-25	S	1	S1-2'		3								X									3.2		
8:34	7-28-25	S	1	S1-3'		4								X									3.4		
8:42	7-28-25	S	1	S1-4'		5								X									3.0		
Additional Instructions: NMOCD Incident ID NAPP2311446508																									
I (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																									
Sampled by: <i>Martin Garcia</i>																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N													
<i>R. Lopez</i>		7-29-25		12:15		<i>Michelle Gonzalez</i>		7-29-25		12:15															
<i>Michelle Gonzalez</i>		7-29-25		1400		<i>Marissa Gonzalez</i>		7-29-25		1400															
<i>Marissa Gonzalez</i>		7-29-25		1725		<i>Ande J.</i>		7-29-25		1730															
<i>Ande J.</i>		7-29-25		2130		<i>Cathy Mar</i>		7-30-25		800															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																									
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																									

Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State									
Client: Pima Environmental Services, LLC Project Name: Cotton Draw Unit #605H Project Manager: DelRae Geller Address: 5614 North Lovington Hwy City, State, Zip: Hobbs, NM. 88240 Phone: Email: delrae@pimaoil.com				Company: Devon Energy C/O: Jim Raley WO #: 21155757 Phone: Email: Miscellaneous: Pima Project #1-297				Lab WO# E 50133601058007 Job Number				1D 2D 3D Std X				NM CO UT TX X									
Sample Information												EPA Program													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCO 1005-TX	RCRA 8 Metals	BGDOOC - NM	BGDOOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks
	7-25-25	S	1	S1-Surface		1								X										2.6	
	7-25-25	S	1	S1-1'		2								X										2.4	
	7-25-25	S	1	S1-2'		3								X										3.2	
	7-25-25	S	1	S1-3'		4								X										3.4	
	7-25-25	S	1	S1-4'		5								X										3.0	
Additional Instructions: NMOCD Incident ID NAP2311446508																									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																									
Sampled by: <u>Marlon Garcia</u>																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N													
<u>X. Coors</u>		7-29-25		12:15		<u>Michelle Gonzalez</u>		7-29-25		1215															
<u>Michelle Gonzalez</u>		7-29-25		1400		<u>Mariassa Gonzalez</u>		7-29-25		1400															
<u>Mariassa Gonzalez</u>		7-29-25		1725		<u>Arden J.</u>		7-29-25		1730															
<u>Arden J.</u>		7-29-25		2130		<u>Carla Mar</u>		7-30-25		800															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																									

Envirotech Analytical Laboratory

Printed: 7/30/2025 9:37:08AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/30/25 08:00	Work Order ID:	E507336
Phone:	(575) 631-6977	Date Logged In:	07/29/25 14:13	Logged In By:	Caitlin Mars
Email:		Due Date:	08/05/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Comments/Resolution

Time sampled not provided on COC.

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

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 605H

Work Order: E511178

Job Number: 01058-0007

Received: 11/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/14/25



Delrae Geller
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 605H
Workorder: E511178
Date Received: 11/14/2025 8:00:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/14/2025 8:00:00AM, under the Project Name: Cotton Draw Unit 605H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 605H 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
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Client Representative
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mgonzales@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/25 16:46
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E511178-01A	Soil	11/12/25	11/14/25	Glass Jar, 4 oz.
CSW1	E511178-02A	Soil	11/12/25	11/14/25	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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CS1

E511178-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2546144
Benzene	ND	0.0250	1	11/14/25	11/14/25	
Ethylbenzene	ND	0.0250	1	11/14/25	11/14/25	
Toluene	ND	0.0250	1	11/14/25	11/14/25	
o-Xylene	ND	0.0250	1	11/14/25	11/14/25	
p,m-Xylene	ND	0.0500	1	11/14/25	11/14/25	
Total Xylenes	ND	0.0250	1	11/14/25	11/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/14/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2546144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/25	11/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	70-130	11/14/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2546138
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/25	11/14/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	11/14/25	11/14/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: TP		Batch: 2546145
Chloride	ND	20.0	1	11/14/25	11/14/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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CSW1

E511178-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2546144
Benzene	ND	0.0250	1	11/14/25	11/14/25	
Ethylbenzene	ND	0.0250	1	11/14/25	11/14/25	
Toluene	ND	0.0250	1	11/14/25	11/14/25	
o-Xylene	ND	0.0250	1	11/14/25	11/14/25	
p,m-Xylene	ND	0.0500	1	11/14/25	11/14/25	
Total Xylenes	ND	0.0250	1	11/14/25	11/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/14/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2546144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/25	11/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	11/14/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546138
Diesel Range Organics (C10-C28)	ND	25.0	1	11/14/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/14/25	11/14/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	11/14/25	11/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2546145
Chloride	ND	20.0	1	11/14/25	11/14/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2546144-BLK1)

Prepared: 11/14/25 Analyzed: 11/14/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			

LCS (2546144-BS1)

Prepared: 11/14/25 Analyzed: 11/14/25

Benzene	4.86	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.5	70-130			
Toluene	4.93	0.0250	5.00		98.7	70-130			
o-Xylene	4.91	0.0250	5.00		98.1	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.8	0.0250	15.0		98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			

Matrix Spike (2546144-MS1)

Source: E511179-03

Prepared: 11/14/25 Analyzed: 11/14/25

Benzene	5.08	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.10	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			

Matrix Spike Dup (2546144-MSD1)

Source: E511179-03

Prepared: 11/14/25 Analyzed: 11/14/25

Benzene	5.10	0.0250	5.00	ND	102	70-130	0.352	27	
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130	1.10	26	
Toluene	5.19	0.0250	5.00	ND	104	70-130	0.750	20	
o-Xylene	5.14	0.0250	5.00	ND	103	70-130	0.894	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	1.25	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	1.13	26	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2546144-BLK1)

Prepared: 11/14/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			

LCS (2546144-BS2)

Prepared: 11/14/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			

Matrix Spike (2546144-MS2)

Source: E511179-03

Prepared: 11/14/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.17		8.00		102	70-130			

Matrix Spike Dup (2546144-MSD2)

Source: E511179-03

Prepared: 11/14/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	1.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2546138-BLK1)

Prepared: 11/14/25 Analyzed: 11/14/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			

LCS (2546138-BS1)

Prepared: 11/14/25 Analyzed: 11/14/25

Diesel Range Organics (C10-C28)	242	25.0	250		96.9	66-144			
Surrogate: n-Nonane	48.5		50.0		97.1	61-141			

Matrix Spike (2546138-MS1)

Source: E511178-02

Prepared: 11/14/25 Analyzed: 11/14/25

Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	56-156			
Surrogate: n-Nonane	48.0		50.0		95.9	61-141			

Matrix Spike Dup (2546138-MSD1)

Source: E511178-02

Prepared: 11/14/25 Analyzed: 11/14/25

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	56-156	3.87	20	
Surrogate: n-Nonane	48.7		50.0		97.4	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 605H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 11/14/2025 4:46:07PM
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Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2546145-BLK1)

Prepared: 11/14/25 Analyzed: 11/14/25

Chloride	ND	20.0							
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LCS (2546145-BS1)

Prepared: 11/14/25 Analyzed: 11/14/25

Chloride	250	20.0	250		99.9	90-110			
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Matrix Spike (2546145-MS1)

Source: E511178-01

Prepared: 11/14/25 Analyzed: 11/14/25

Chloride	258	20.0	250	ND	103	80-120			
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Matrix Spike Dup (2546145-MSD1)

Source: E511178-01

Prepared: 11/14/25 Analyzed: 11/14/25

Chloride	259	20.0	250	ND	104	80-120	0.672	20	
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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 605H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	11/14/25 16:46

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.



Client Information		Invoice Information		Lab Use Only		TAT		State					
Client: Pima Environmental Services, LLC		Company: <u>Devon</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Cotton Draw Unit #1605A</u>		Address:		<u>511178</u>	<u>01055-0007</u>					X			
Project Manager: DelRae Geller		City, State, Zip:											
Address: 5614 North Lovington Hwy		Phone:											
City, State, Zip: Hobbs, NM 88240		Email:											
Phone: (806) 724-5391		Miscellaneous: PROJECT# <u>297</u>											
Email: Delrae@pimaoil.com													

Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 900.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
2:21	11/12/25	S		LSI		1								X					
2:30	11/12/25	S		CSW1		2								X					

Additional Instructions: Billing : 21155757

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

Sampled by: <u>Andrew Franco</u>				Relinquished by: (Signature) <u>[Signature]</u> Date <u>11/12/25</u> Time <u>3:50</u>				Received by: (Signature) <u>Marissa Gonzalez</u> Date <u>11-13-25</u> Time <u>12:55</u>				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>(Y) N</u>
Relinquished by: (Signature) <u>Marissa Gonzalez</u> Date <u>11/13/25</u> Time <u>1515</u>				Received by: (Signature) <u>Nathax Gonzalez</u> Date <u>11/13/25</u> Time <u>1515</u>				Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-13-25</u> Time <u>19:30</u>				
Relinquished by: (Signature) <u>Nathax Gonzalez</u> Date <u>11/13/25</u> Time <u>19:30</u>				Received by: (Signature) <u>[Signature]</u> Date <u>11-13-25</u> Time <u>23:45</u>				Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-13-25</u> Time <u>23:45</u>				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-13-25</u> Time <u>23:45</u>				Received by: (Signature) <u>Caitlin Mann</u> Date <u>11-14-25</u> Time <u>8:00</u>				Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-14-25</u> Time <u>8:00</u>				

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 11/14/2025 3:12:31PM

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: 11/14/25 08:00 Work Order ID: E511178
Phone: (806) 724-5391 Date Logged In: 11/13/25 16:49 Logged In By: Caitlin Mars
Email: delrae@pimaoil.com Due Date: 11/14/25 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? No
5. Were all samples received within holding time? Yes
Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier: Courier

Comments/Resolution

No. of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes
Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

[Empty box for Client Instruction]

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

Date



envirotech Inc.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 543024

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 543024
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2311446508
Incident Name	NAPP2311446508 COTTON DRAW UNIT #605H @ 30-015-47297
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-47297] COTTON DRAW UNIT #605H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COTTON DRAW UNIT #605H
Date Release Discovered	04/17/2023
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 1 BBL Recovered: 0 BBL Lost: 1 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)	Operator found fluid coming up from the flow line for the CDU 605 at the edge of the well pad. The well was shut in to stop the leak. Fluid from spill soaked into the ground approximately 20 feet of the south side of the well pad. No fluids were recovered.

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QUESTIONS, Page 2

Action 543024

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 543024
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/14/2026
--	--

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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 543024

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 543024
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	75
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9014
GRO+DRO (EPA SW-846 Method 8015M)	6533
BTEX (EPA SW-846 Method 8021B or 8260B)	0.9
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	01/06/2025
On what date will (or did) the final sampling or liner inspection occur	01/06/2025
On what date will (or was) the remediation complete(d)	01/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	18
What is the estimated volume (in cubic yards) that will be reclaimed	2
What is the estimated surface area (in square feet) that will be remediated	18
What is the estimated volume (in cubic yards) that will be remediated	2

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

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

Sante Fe Main Office
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QUESTIONS, Page 4

Action 543024

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 543024
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/14/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 543024

QUESTIONS (continued)

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

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 543024

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 543024
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	525003
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/12/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	18

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	18
What was the total volume (cubic yards) remediated	4
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	18
What was the total volume (in cubic yards) reclaimed	4
Summarize any additional remediation activities not included by answers (above)	Area of S1 was remediated down to 5' bgs.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 01/14/2026
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Action 543024

QUESTIONS (continued)

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	Action Number: 543024
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 543024

CONDITIONS

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	Action Number: 543024
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2311446508 COTTON DRAW UNIT #605H, thank you. This Remediation Closure Report is approved.	4/23/2026