

Poly line feeding Remuda Basin SWD

Incident Number OCD Incident nAPP2213647597

WHEN- 5/13/22

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (Ft ²)	Depth (in)
<u>5998</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>249.917</u>
Barrels of Soil Impacted	<u>44.55</u>
Soil Type	Clay
Barrels of Oil Assuming 100% Saturation	<u>4.45</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	<u>4.4548</u>
Free Standing Fluid Only	
Area (Ft ²)	Depth (inches)
<u>32</u>	<u>1.000</u>
Standing fluid	<u>0.475</u>
Total fluids spilled	<u>4.930</u>

Total fluids spilled 4.930



FLOWLINE SUPPLYING REMUDA BASIN SWD

Incident ID nAPP2213647597

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
DEVON ENERGY PRODUCTION CO, LP

Remediation Closure Report

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

July 10, 2024

5614 N Lovington Hwy
Hobbs, NM 88240
575-964-7740

July 10, 2024

NMOCD District 2
811 S First St
Artesia, NM, 88210

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

**RE: Remediation Closure Report
Flowline Supplying Remuda Basin SWD
API No. N/A
GPS: Latitude 32.2982665 Longitude -103.9132046
ULSTR – P – 18 – 23S – 30E 200 FSL 327 FEL Eddy County, NM
NMOCD Incident ID nAPP2213647597**

This release was initially discovered on May 13, 2022. An initial Notice of Release (NOR) was submitted by Devon personnel on May 16, 2022, and approved by the NMOCD (OCD Online: Permitting – Application ID [107110]). An initial C-141 form was submitted on August 18, 2023, and approved by the NMOCD (OCD Online: Permitting – Application ID [216153]). This incident was assigned Incident ID nAPP2213647597, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Flow Line is located approximately eleven (11) miles east of Loving, NM. This spill site is in Unit P, Section 18, Township 23S, Range 23E, Latitude 32.2982665 Longitude -103.9132046, Eddy County, NM. Figure 3 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered Rustler Formation, Siltstone, gypsum, sandstone, and dolomite. The soil in this area is made up of Berino complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. A Topographic Map is referenced in Figure 4. There is a high potential for karst geology to be present around the Flow Line (Figure 5).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 37 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 50 feet BGS. The closest waterway is a Salt Playa located approximately 3.79 miles to the northwest of this location. See Appendix A for referenced water surveys and water-related maps.

Release Information

nAPP2213647597: On May 13, 2022, the 4" ploy inlet line to the Remuda Basin SWD was struck by an unknown object cutting a gash into the line. Fluids were not in a lined/unlined containment. Fluids were not on pad. Fluids were offsite. Valves on both side of the breach were turned off thus isolating the line and stopping the leak.

Countermeasures due to Remediation Closure Report Denied

On June 24, 2024, a Remediation/Proposed Sampling Plan Report was submitted to the NMOCD (OCD Online: Permitting – Action Status, under the Application ID: 356998) addressing the concerns of the most recently denied closure report. This report was approved by the NMOCD on June 25, 2024.

Because this release area was solely in the pasture and pipeline Right of Way, and the area is in a high karst zone, the closure criteria will be classified under the <50' depth to groundwater section of Table 1 19.15.29.12 NMAC.

On June 28, 2024, after Devon submitted a 48-Hour Sampling Notification, which can be found in Appendix C and in OCD Online: Permitting – Action Status, under the Application ID: 357511, Pima mobilized personnel and equipment to the location to collect the previously approved confirmation samples from the northern section of the previously excavated area. A total of 24

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

discreet samples were collected from 24 different sample points from a depth of 3' bgs at each point. After being collected, the samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The laboratory results of this sampling event can be found in the Data Table included in Figure 1. A corresponding Confirmation Sample Map can be found in Figure 2. Photographic Documentation is referenced in Appendix D.

A complete Laboratory Report can be referenced in Appendix E.

Approval Request

On behalf of Devon, Pima requests that this Remediation Closure Report for incident ID nAPP2213647597 be approved. Devon has complied with the applicable requirements outlined in rule 19.15.29.12 NMAC.

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

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

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

Attachments

Figures:

- 1- Data Table
- 2- Confirmation Sample Map
- 3- Location Map
- 4- Topographic Map
- 5- Karst Map

Appendices:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geologic Unit Map
- Appendix C – 48-Hour Sampling Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Report

Figures:

Figure 1- Data Table

Figure 2- Confirmation Sample Map

Figure 3- Location Map

Figure 4- Topographic Map

Figure 5- Karst Map

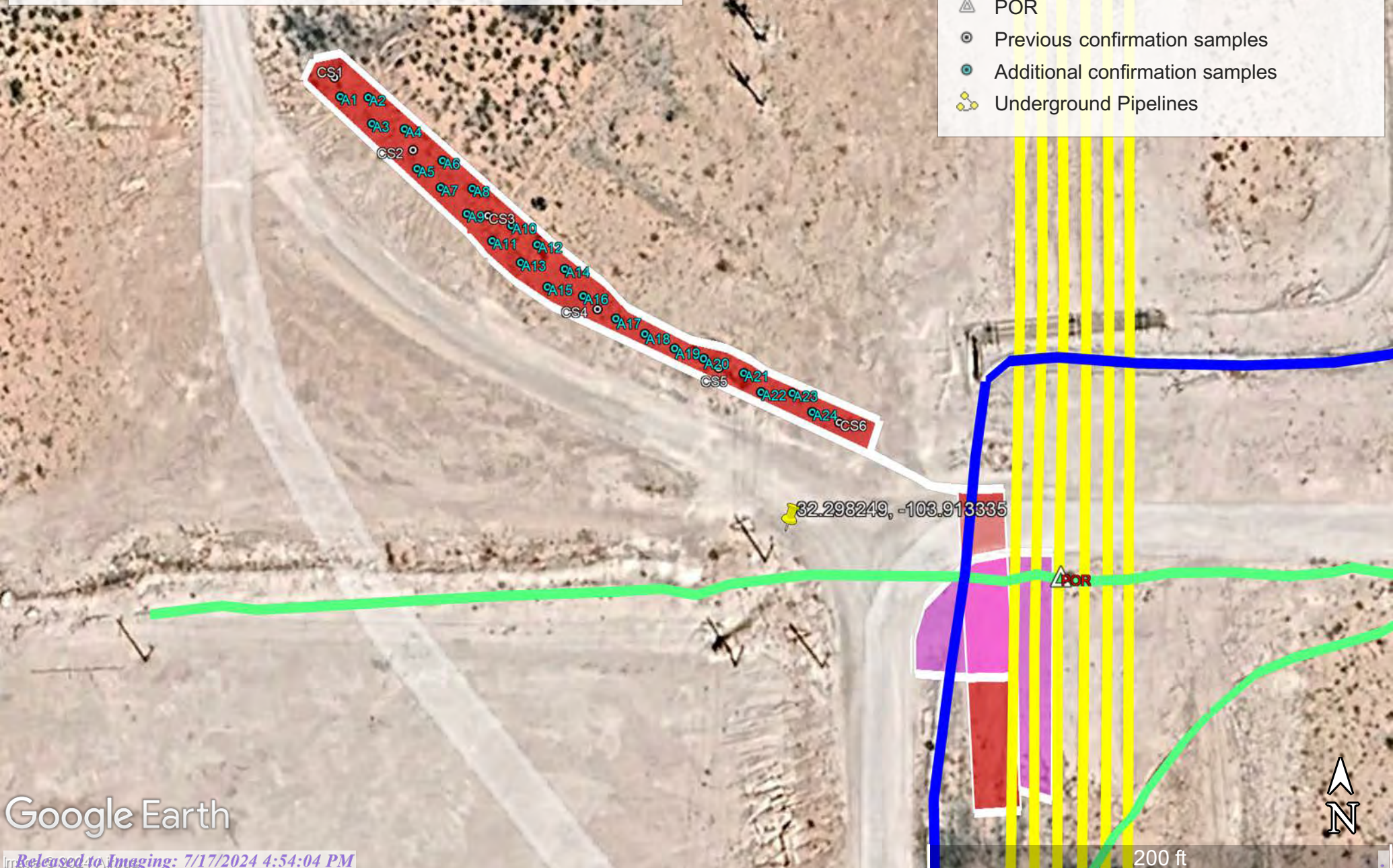
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (High Karst)								
DEVON ENERGY - FLOWLINE TO REMUDA BASIN SWD - nAPP2213647597								
Date: 6/28/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
A1-3'	3'	ND	ND	ND	ND	ND	0	21.4
A2-3'	3'	ND	ND	ND	ND	ND	0	25.2
A3-3'	3'	ND	ND	ND	ND	ND	0	25.1
A4-3'	3'	ND	ND	ND	ND	ND	0	24.7
A5-3'	3'	ND	ND	ND	ND	ND	0	20
A6-3'	3'	ND	ND	ND	ND	ND	0	27.4
A7-3'	3'	ND	ND	ND	ND	ND	0	30.1
A8-3'	3'	ND	ND	ND	ND	ND	0	28.5
A9-3'	3'	ND	ND	ND	ND	ND	0	23
A10-3'	3'	ND	ND	ND	ND	ND	0	27.6
A11-3'	3'	ND	ND	ND	ND	ND	0	39
A12-3'	3'	ND	ND	ND	ND	ND	0	28.8
A13-3'	3'	ND	ND	ND	ND	ND	0	22.5
A14-3'	3'	ND	ND	ND	ND	ND	0	26.3
A15-3'	3'	ND	ND	ND	ND	ND	0	28.7
A16-3'	3'	ND	ND	ND	ND	ND	0	23
A17-3'	3'	ND	ND	ND	ND	62.1	62.1	23.8
A18-3'	3'	ND	ND	ND	ND	ND	0	24
A19-3'	3'	ND	ND	ND	ND	ND	0	21.7
A20-3'	3'	ND	ND	ND	ND	ND	0	21.7
A21-3'	3'	ND	ND	ND	ND	ND	0	27.7
A22-3'	3'	ND	ND	ND	ND	ND	0	26
A23-3'	3'	ND	ND	ND	ND	ND	0	22.2
A24-3'	3'	ND	ND	ND	ND	ND	0	23.4

Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Confirmation Sample Map

Legend

- Excavated area for pipeline
- Excavation area - 8,375 sqft
- Lay flat hose
- Poly flowlines
- POR
- Previous confirmation samples
- Additional confirmation samples
- Underground Pipelines



Google Earth

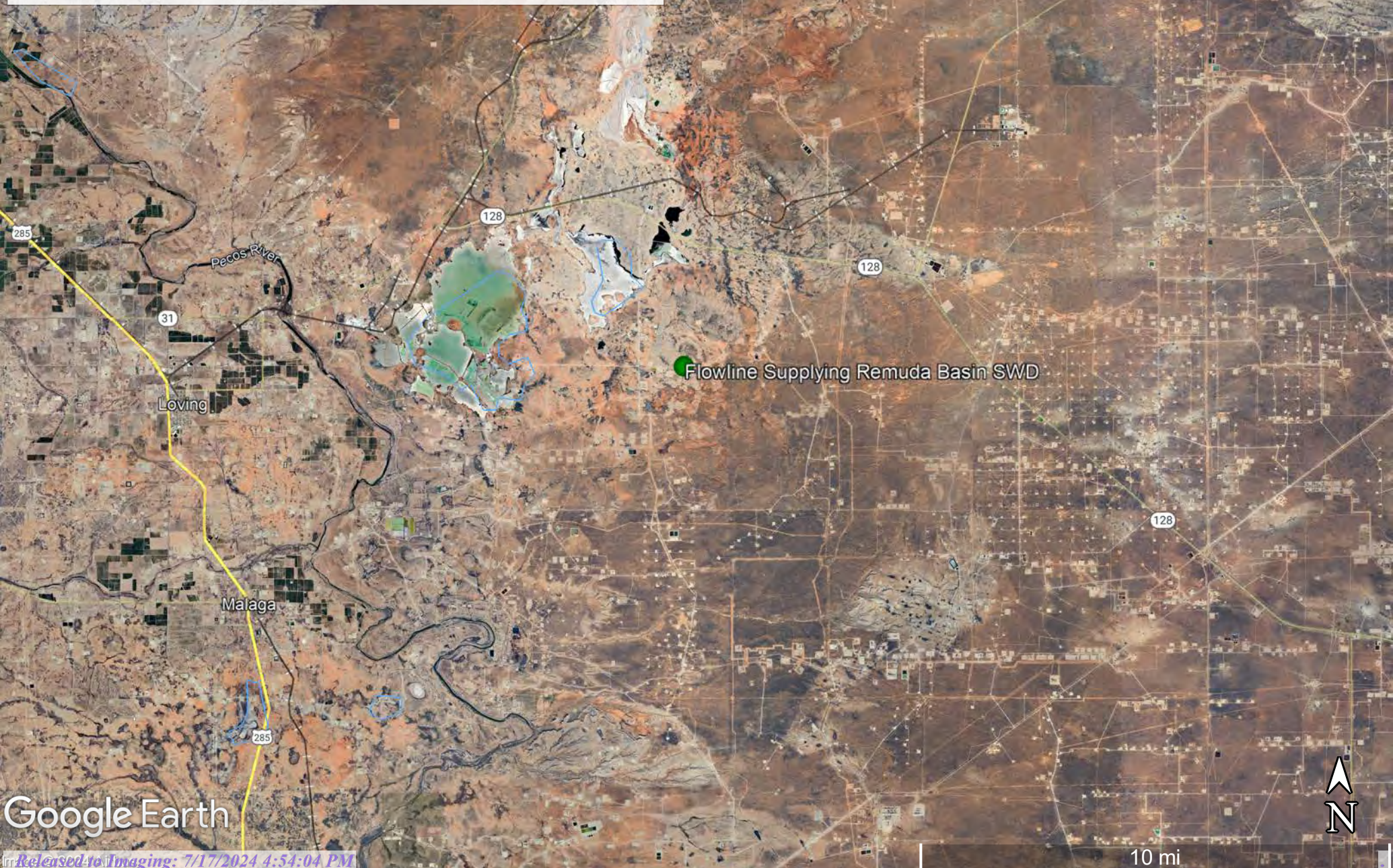


Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Location Map

Legend

● Flowline Supplying Remuda Basin SWD



Google Earth

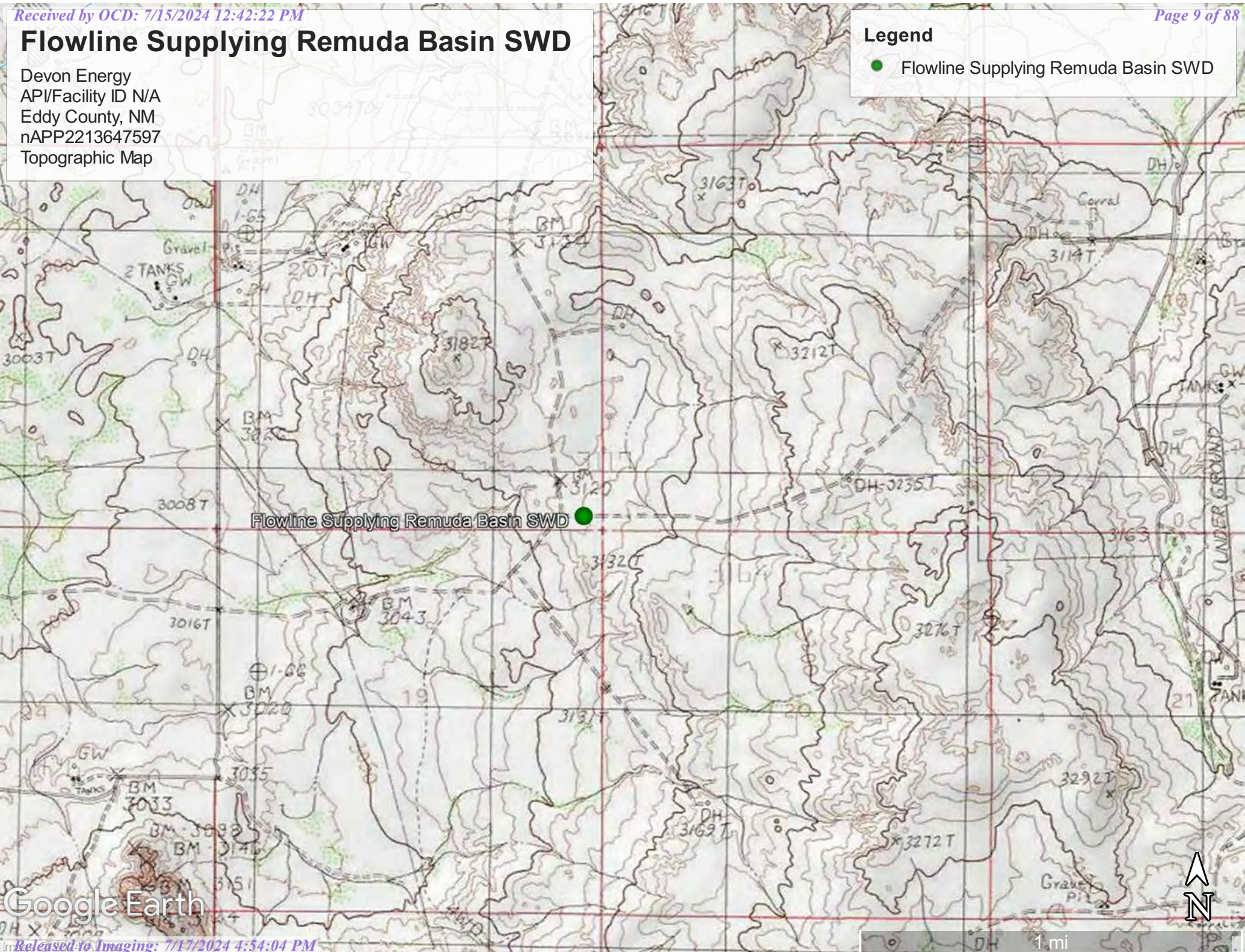
10 mi

Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Topographic Map

Legend

- Flowline Supplying Remuda Basin SWD



Google Earth

Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Flowline Supplying Remuda Basin SWD



Google Earth





Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map
- Wetlands Map
- Fema Flood Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Q Sec	Tws	Rng	X	Y	Distance	Well Depth	Water Column
C_02486		C	ED	3	2	3	19	23S	30E	601304	3572832*	1561	350	
C_04472 POD1		CUB	ED	2	2	4	13	23S	29E	600639	3574619	1788		37
C_04594 POD4		CUB	ED	4	2	2	13	23S	29E	600704	3575224	2020	45	28 17
C_04594 POD7		CUB	ED	4	2	2	13	23S	29E	600659	3575217	2052	34	28 6
C_04594 POD6		CUB	ED	4	2	2	13	23S	29E	600659	3575220	2055	34	28 6
C_04594 POD5		CUB	ED	4	2	2	13	23S	29E	600626	3575236	2090	30	30 0
C_04594 POD1		CUB	ED	4	2	2	13	23S	29E	600629	3575241	2090	36	
C_04594 POD3		CUB	ED	4	2	2	13	23S	29E	600645	3575280	2101	38	27 11
C_04594 POD2		CUB	ED	4	2	2	13	23S	29E	600604	3575232	2106	42	34 8
C_03478 POD1		C	ED	3	2	1	21	23S	30E	604638	3573670	2340	230	105 125
C_04018 POD1		CUB	ED	2	2	1	21	23S	30E	604664	3573868	2345	380	179 201
C_04326 POD14		CUB	ED	4	2	3	23	23S	29E	598191	3572765	4317	58	54 4
C_04326 POD16		CUB	ED	2	4	3	23	23S	29E	598209	3572664	4330	64	54 10
C_04567 POD1		CUB	ED	1	3	4	22	23S	30E	606652	3572672	4532		

Average Depth to Water: **54 feet**
 Minimum Depth: **27 feet**
 Maximum Depth: **179 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 602323

Northing (Y): 3574015.43

Radius: 5000

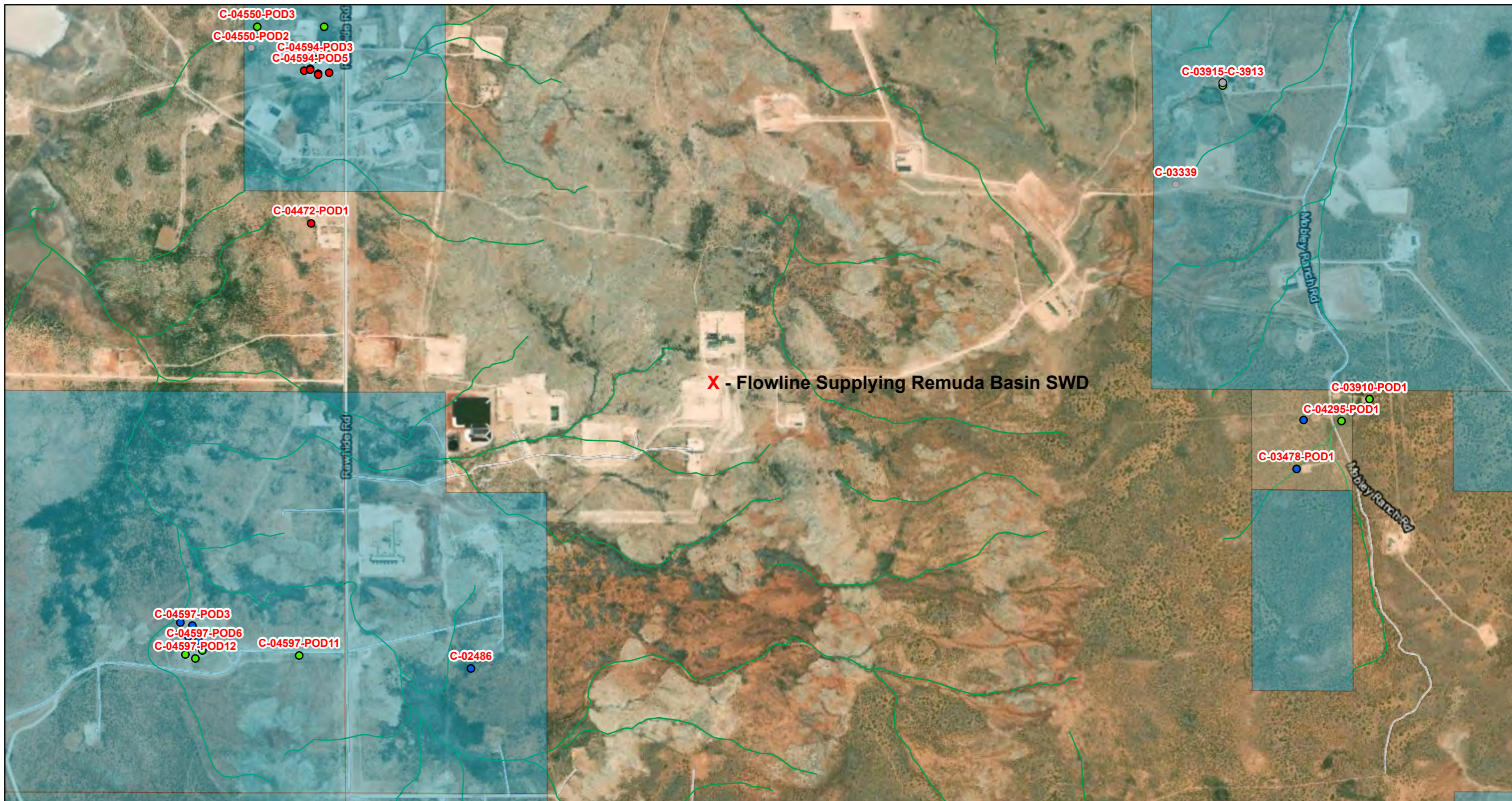
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/27/22 11:12 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

OSE POD Location Map



7/10/2024, 11:27:28 AM

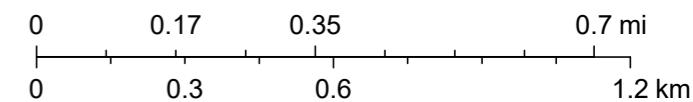
1:18,056

GIS WATERS PODs ●

New Mexico State Trust Lands NHD Flowlines

- Active
- Pending
- Plugged
- ▭ OSE District Boundary
- ▭ Water Right Regulations
- ▭ Artesian Planning Area

- ▭ Subsurface Estate
- ▭ Both Estates
- Connector
- Stream River



Esri, HERE, IPC, Esri, HERE, Garmin, IPC, Maxar



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 =

- 321717103561001

Minimum number of levels = 1

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

USGS 321717103561001 23S.29E.24.41321

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°17'17", Longitude 103°56'10" NAD27

Land-surface elevation 3,034 feet above NAVD88

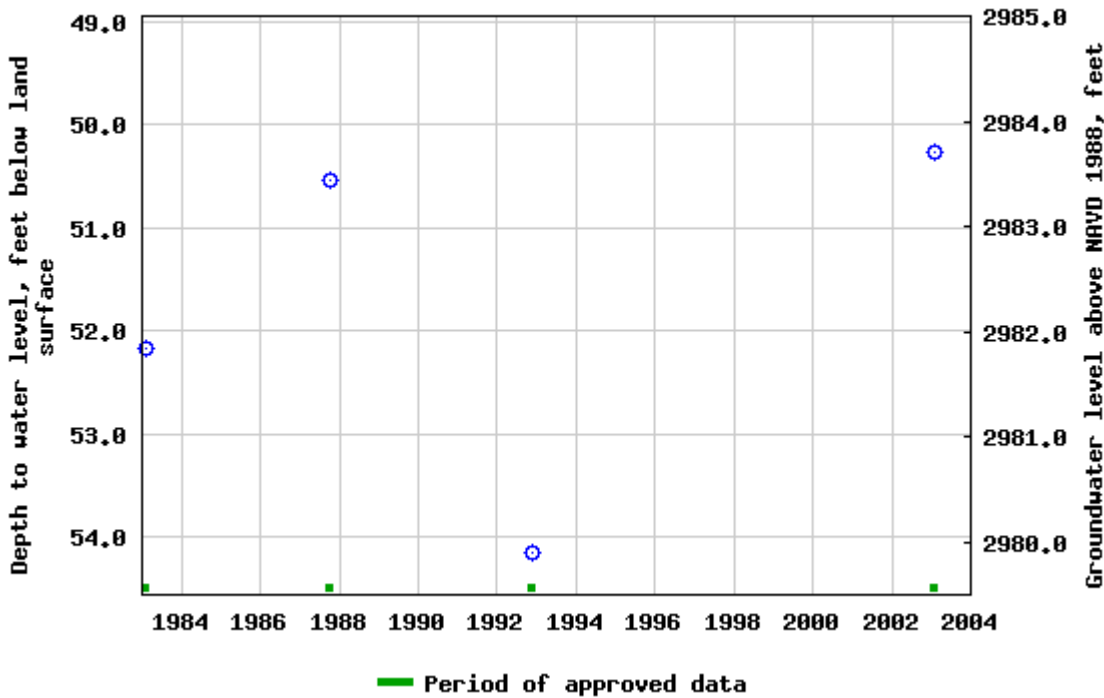
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

USGS 321717103561001 23S.29E.24.41321



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

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

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



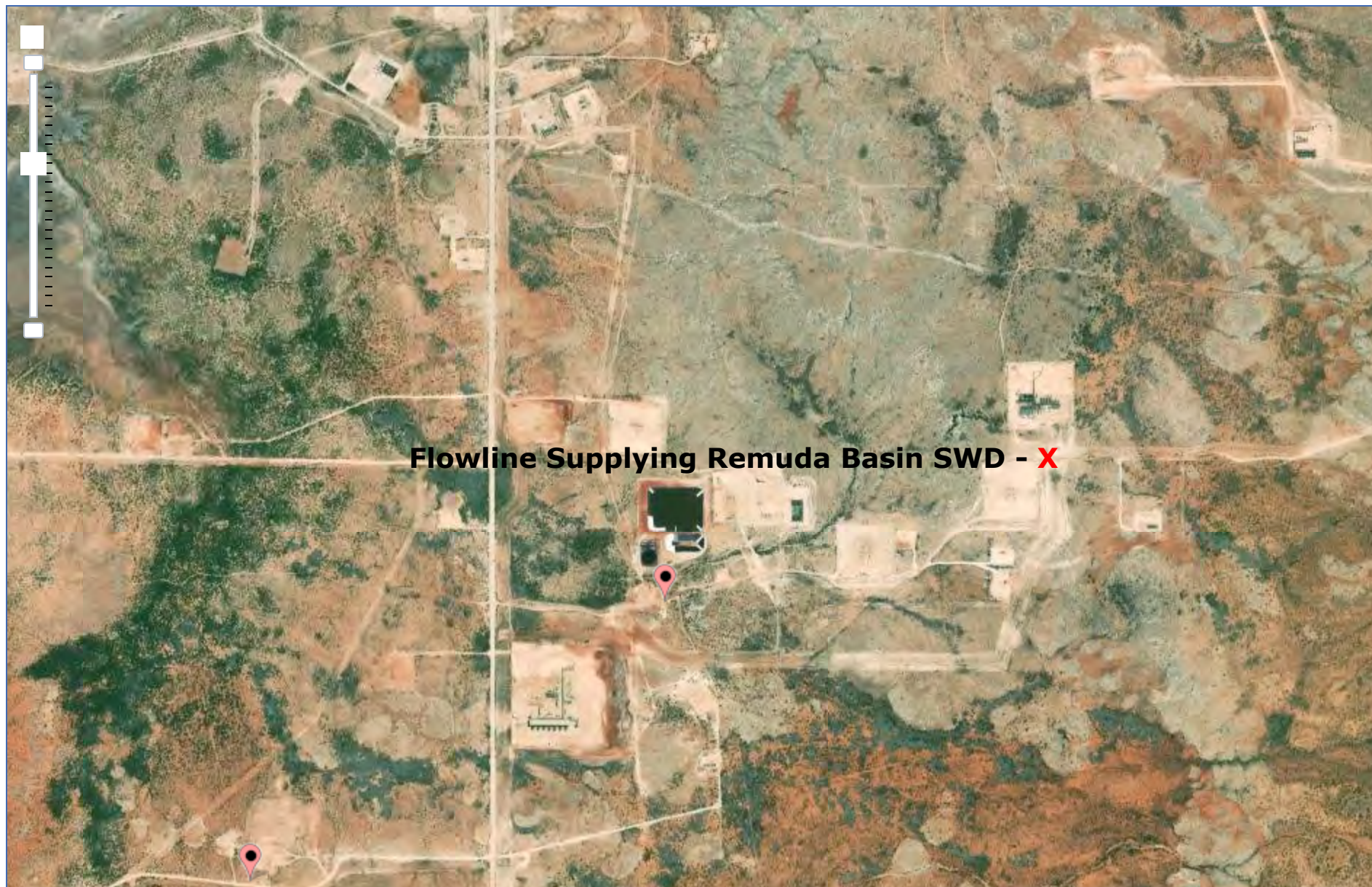
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-05-27 13:18:59 EDT

0.6 0.52 nadww01





National Water Information System: Mapper



Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Surface Water Map

Legend

-  2 Miles
-  Salt Pond



Salt Pond

Flowline Supplying Remuda Basin SWD

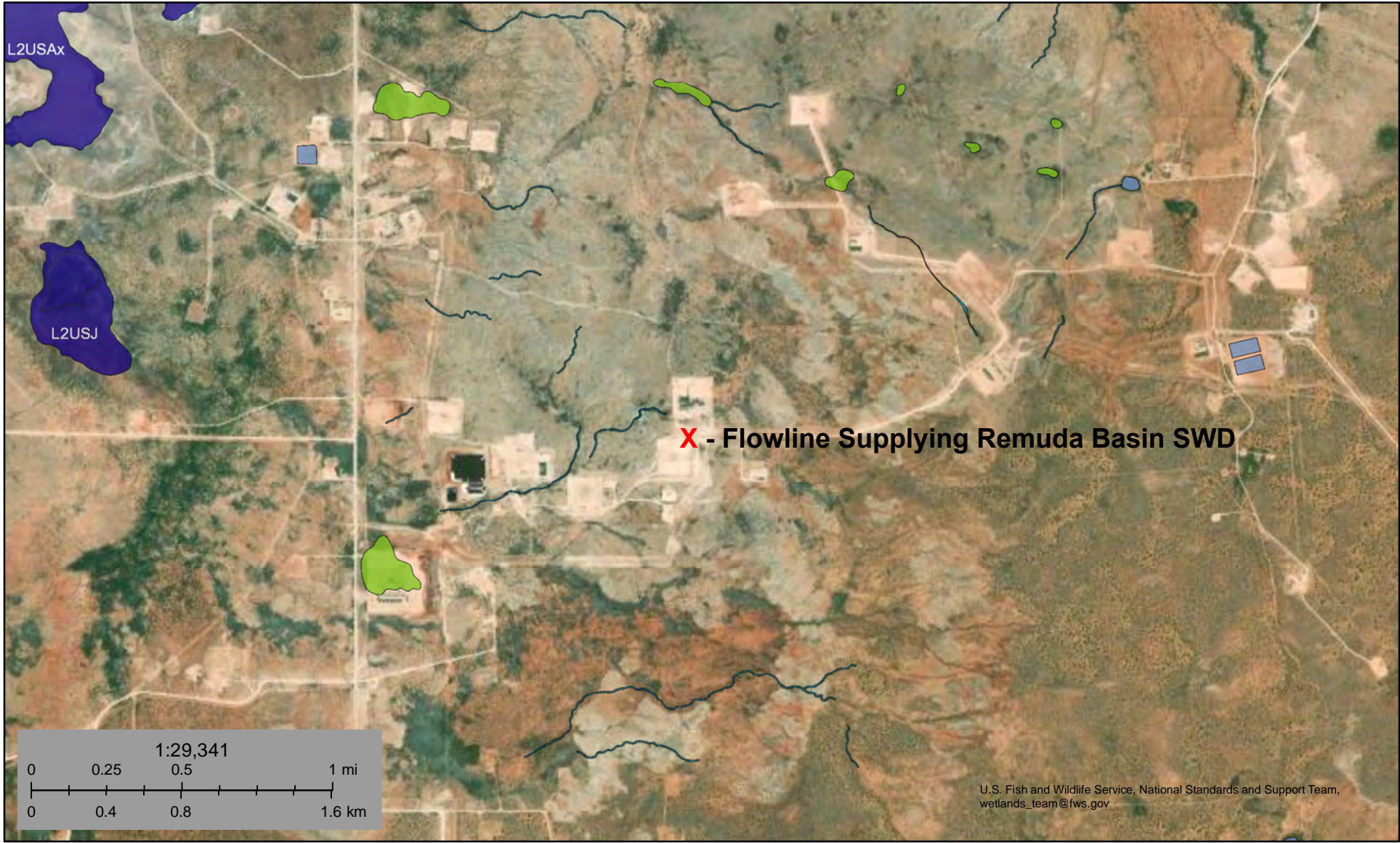
Google Earth



1 mi



Wetlands Map



July 10, 2024

Wetlands

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

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°55'6"W 32°18'9"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

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

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		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 4/4/2023 at 2:13 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.



Appendix B

- Soil Survey
- Soil Map
- Geologic Unit Map

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

Land capability classification (irrigated): None specified

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

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

Description of Pajarito

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Pajarito

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

Wink

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

Cacique

Percent of map unit: 4 percent

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

Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Kermit

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

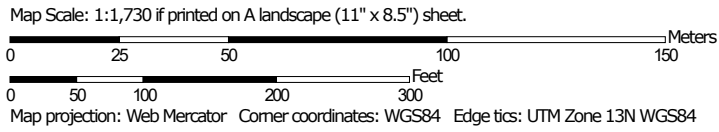
Data Source Information

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

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

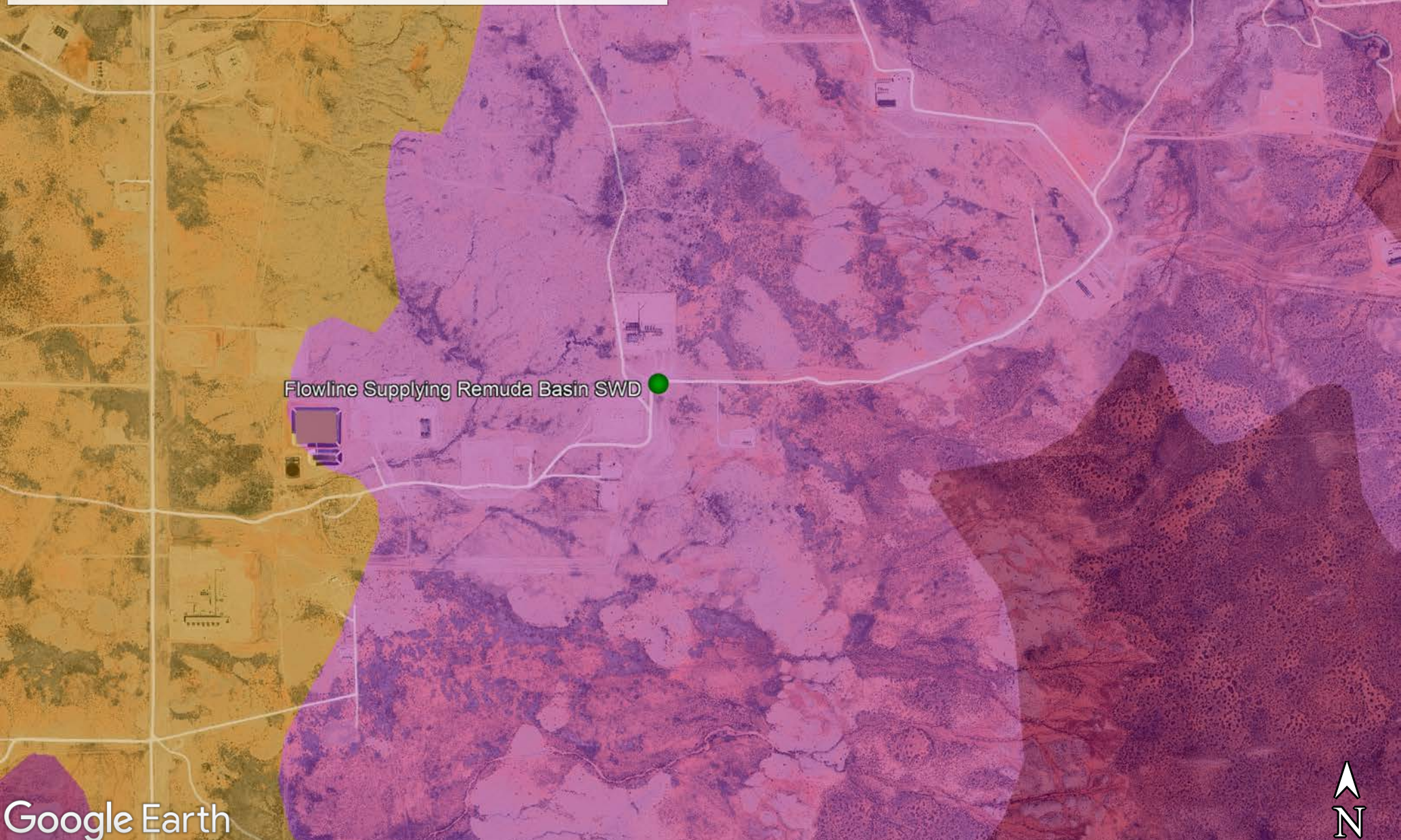
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	13.5	99.2%
SM	Simona-Bippus complex, 0 to 5 percent slopes	0.1	0.8%
Totals for Area of Interest		13.6	100.0%

Flowline Supplying Remuda Basin SWD

Devon Energy
API/Facility ID N/A
Eddy County, NM
nAPP2213647597
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Piedmont alluvial deposits
-  Rustler Formation



Google Earth





Appendix C

- 48-Hour Notification



Tom Pima Oil <tom@pimaoil.com>

FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 357511

1 message

Woodall, Dale <Dale.Woodall@dvn.com> Tue, Jun 25, 2024 at 4:22 PM
To: Gio PimaOil <gio@pimaoil.com>, Tom Pima Oil <tom@pimaoil.com>, Delrae Pima Oil <delrae@pimaoil.com>, Lynsey Pima Oil <lynsey@pimaoil.com>

Dale Woodall

Environmental Professional

Hobbs, NM

Office: 575-748-1838

Mobile: 405-318-4697

Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, June 25, 2024 3:22 PM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 357511

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2213647597.

The sampling event is expected to take place:

When: 06/28/2024 @ 08:00

Where: P-18-23S-30E 200 FSL 327 FEL (32.2982665,-103.9132046)

Additional Information: Marisa Loya (575) 416-0639

Additional Instructions: P-18-23S-30E Lat/Long: 32.2982665, -103.9132046 From the intersection of NM128 and Rawhide Road in Eddy county, travel 3.6 miles south on Rawhide Rd, turn east on lease road for 1 mile, curve north for 570 feet, continue north into release area.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

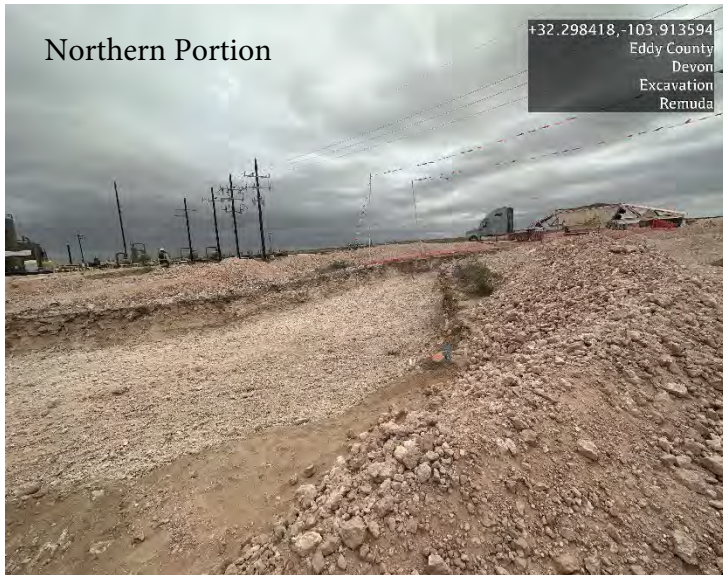
Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation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



Appendix D

- Photographic Documentation







North Side

+32.298660,-103.913397
Eddy County
Devon
Remuda Basin
Post Excavation



Flowline Supplying Remuda Basin SWD

Confirmation Sampling Event



View from North to South



View from Northeast to Southwest



View from Southeast to Northwest



View from East to West



View from South to North



View from West to East

Flowline Supplying Remuda Basin SWD



View from South to North



View from Southeast to Northwest



Appendix E

- Laboratory Report

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Flowline Supplying the Remuda Basin SWD
Work Order:	E407033
Job Number:	01058-0007
Received:	7/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/9/24

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: 7/9/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Flowline Supplying the Remuda Basin SWD
Workorder: E407033
Date Received: 7/9/2024 11:20:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/9/2024 11:20:00AM, under the Project Name: Flowline Supplying the Remuda Basin SWD.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
A1-3'	6
A2-3'	7
A3-3'	8
A4-3'	9
A5-3'	10
A6-3'	11
A7-3'	12
A8-3'	13
A9-3'	14
A10-3'	15
A11-3'	16
A12-3'	17
A13-3'	18
A14-3'	19
A15-3'	20
A16-3'	21
A17-3'	22
A18-3'	23
A19-3'	24
A20-3'	25

Table of Contents (continued)

A21-3'	26
A22-3'	27
A23-3'	28
A24-3'	29
QC Summary Data	30
QC - Volatile Organic Compounds by EPA8260B	30
QC - Nonhalogenated Organics by EPA 8015D - GRO	32
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	34
QC - Anions by EPA 300.0/9056A	36
Definitions and Notes	38
Chain of Custody etc.	39

Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 07/09/24 16:53
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
A1-3'	E407033-01A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A2-3'	E407033-02A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A3-3'	E407033-03A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A4-3'	E407033-04A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A5-3'	E407033-05A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A6-3'	E407033-06A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A7-3'	E407033-07A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A8-3'	E407033-08A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A9-3'	E407033-09A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A10-3'	E407033-10A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A11-3'	E407033-11A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A12-3'	E407033-12A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A13-3'	E407033-13A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A14-3'	E407033-14A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A15-3'	E407033-15A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A16-3'	E407033-16A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A17-3'	E407033-17A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A18-3'	E407033-18A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A19-3'	E407033-19A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A20-3'	E407033-20A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A21-3'	E407033-21A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A22-3'	E407033-22A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A23-3'	E407033-23A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.
A24-3'	E407033-24A	Soil	06/28/24	07/09/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A1-3'

E407033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
---------	--------	-----------------	----------	----------	----------	-------

Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2428013	
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.2 %	70-130	07/09/24	07/09/24	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2428013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.2 %	70-130	07/09/24	07/09/24	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428018	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/09/24	07/09/24	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2428021	
Chloride	21.4	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A2-3'

E407033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	25.2	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A3-3'

E407033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	25.1	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A4-3'

E407033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	24.7	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A5-3'

E407033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	20.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A6-3'

E407033-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	27.4	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A7-3'

E407033-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	30.1	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A8-3'

E407033-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	28.5	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A9-3'

E407033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	23.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A10-3'

E407033-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	27.6	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A11-3'

E407033-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		99.5 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	39.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A12-3'

E407033-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	28.8	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A13-3'

E407033-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		99.5 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	22.5	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A14-3'

E407033-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	26.3	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A15-3'

E407033-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	28.7	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A16-3'

E407033-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	23.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A17-3'

E407033-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.1 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	62.1	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		95.4 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	23.8	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A18-3'

E407033-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		90.4 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	24.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A19-3'

E407033-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.5 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		94.5 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		93.8 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	21.7	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A20-3'

E407033-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.2 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428013
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.2 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428018
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428021
Chloride	21.7	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A21-3'

E407033-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428020
Chloride	27.7	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A22-3'

E407033-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		93.4 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428020
Chloride	26.0	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A23-3'

E407033-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428020
Chloride	22.2	20.0	1	07/09/24	07/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

A24-3'

E407033-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Benzene	ND	0.0250	1	07/09/24	07/09/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/09/24	
Toluene	ND	0.0250	1	07/09/24	07/09/24	
o-Xylene	ND	0.0250	1	07/09/24	07/09/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/09/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2428017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/09/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/09/24	07/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.1 %	70-130	07/09/24	07/09/24	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/09/24	07/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2428016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/09/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/09/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2428020
Chloride	23.4	20.0	1	07/09/24	07/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	---------------------------------

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

Blank (2428013-BLK1)

Prepared: 07/08/24 Analyzed: 07/09/24

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	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.8	70-130			

LCS (2428013-BS1)

Prepared: 07/08/24 Analyzed: 07/09/24

Benzene	2.47	0.0250	2.50		98.8	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.4	70-130			
Toluene	2.20	0.0250	2.50		87.9	70-130			
o-Xylene	2.25	0.0250	2.50		90.0	70-130			
p,m-Xylene	4.49	0.0500	5.00		89.8	70-130			
Total Xylenes	6.74	0.0250	7.50		89.8	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			

LCS Dup (2428013-BSD1)

Prepared: 07/08/24 Analyzed: 07/09/24

Benzene	2.66	0.0250	2.50		106	70-130	7.20	23	
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130	6.61	27	
Toluene	2.34	0.0250	2.50		93.8	70-130	6.47	24	
o-Xylene	2.41	0.0250	2.50		96.4	70-130	6.93	27	
p,m-Xylene	4.82	0.0500	5.00		96.4	70-130	7.09	27	
Total Xylenes	7.23	0.0250	7.50		96.4	70-130	7.04	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	---------------------------------

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

Blank (2428017-BLK1)

Prepared: 07/08/24 Analyzed: 07/08/24

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	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

LCS (2428017-BS1)

Prepared: 07/08/24 Analyzed: 07/08/24

Benzene	2.31	0.0250	2.50		92.3	70-130			
Ethylbenzene	2.30	0.0250	2.50		91.9	70-130			
Toluene	2.13	0.0250	2.50		85.3	70-130			
o-Xylene	2.20	0.0250	2.50		88.0	70-130			
p,m-Xylene	4.39	0.0500	5.00		87.9	70-130			
Total Xylenes	6.60	0.0250	7.50		87.9	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			

LCS Dup (2428017-BSD1)

Prepared: 07/08/24 Analyzed: 07/08/24

Benzene	2.29	0.0250	2.50		91.5	70-130	0.827	23	
Ethylbenzene	2.35	0.0250	2.50		93.8	70-130	2.13	27	
Toluene	2.17	0.0250	2.50		86.8	70-130	1.79	24	
o-Xylene	2.35	0.0250	2.50		93.8	70-130	6.36	27	
p,m-Xylene	4.69	0.0500	5.00		93.7	70-130	6.46	27	
Total Xylenes	7.03	0.0250	7.50		93.8	70-130	6.43	27	
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428013-BLK1)

Prepared: 07/08/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.8	70-130			

LCS (2428013-BS2)

Prepared: 07/08/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

LCS Dup (2428013-BSD2)

Prepared: 07/08/24 Analyzed: 07/09/24

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130	1.11	20	
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428017-BLK1)

Prepared: 07/08/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

LCS (2428017-BS2)

Prepared: 07/08/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

LCS Dup (2428017-BSD2)

Prepared: 07/08/24 Analyzed: 07/08/24

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		93.9	70-130	3.14	20	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428016-BLK1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2428016-BS1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

LCS Dup (2428016-BSD1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132	3.10	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428018-BLK1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS (2428018-BS1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			

LCS Dup (2428018-BSD1)

Prepared: 07/08/24 Analyzed: 07/08/24

Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132	0.760	20	
Surrogate: n-Nonane	54.0		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428020-BLK1)

Prepared: 07/08/24 Analyzed: 07/09/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2428020-BS1)

Prepared: 07/08/24 Analyzed: 07/09/24

Chloride	251	20.0	250		100	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

LCS Dup (2428020-BSD1)

Prepared: 07/08/24 Analyzed: 07/09/24

Chloride	250	20.0	250		100	90-110	0.122	20	
----------	-----	------	-----	--	-----	--------	-------	----	--



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Flowline Supplying the Remuda Basin SWD Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 7/9/2024 4:53:42PM
---	---	--

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

Blank (2428021-BLK1)

Prepared: 07/08/24 Analyzed: 07/08/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2428021-BS1)

Prepared: 07/08/24 Analyzed: 07/09/24

Chloride	248	20.0	250		99.4	90-110			
----------	-----	------	-----	--	------	--------	--	--	--

LCS Dup (2428021-BSD1)

Prepared: 07/08/24 Analyzed: 07/09/24

Chloride	249	20.0	250		99.5	90-110	0.136	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:	Flowline Supplying the Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/09/24 16:53

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

Basin SWD

Chain of Custody

Flowline Supplying the Permuda

Client: Pima Environmental Services		Attention: <u>Devon</u>		Lab Use Only		TAT		EPA Program									
Project:		Address:		Lab WQ# <u>E407033</u>		Job Number <u>01058-007</u>		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: <u>Gio Gomez</u>		City, State, Zip		Analysis and Method								RCRA					
Address: <u>5614 N. Lovington Hwy.</u>		Phone:		DRO/DRO by 8015		DRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010					
City, State, Zip: <u>Hobbs, NM, 88240</u>		Email:		Chloride 300.0						BGDOC NM		BGDOC TX					
Phone: <u>806-782-1151</u>		Pima Project # <u>1-119</u>										State					
Email: <u>gio@pimaoil.com</u>												NM		CO	UT	AZ	TX
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	6/28	S	1	A1-3'	1							X		
8:07				A2-3'	2									
8:11				A3-3'	3									
8:17				A4-3'	4									
8:22				A5-3'	5									
8:28				A6-3'	6									
8:33				A7-3'	7									
8:36				A8-3'	8									
8:42				A9-3'	9									
8:48				A10-3'	10									

Additional Instructions: B# 21030907

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.

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.			
Sampled by:			
Relinquished by: (Signature) <u>Kerime Adams</u>	Date <u>7/8/24</u>	Time <u>3:47</u>	Received by: (Signature) <u>Michelle Gonzales</u>
			Date <u>7-8-24</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-8-24</u>	Time <u>1755</u>	Received by: (Signature) <u>J.M.</u>
			Date <u>7-8-24</u>
Relinquished by: (Signature) <u>J.M.</u>	Date <u>7-8-24</u>	Time <u>2400</u>	Received by: (Signature) <u>[Signature]</u>
			Date <u>7-9-24</u>
Lab Use Only		Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	
T1		T2	
T3		AVG Temp °C <u>4</u>	

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.



Client: Pima Environmental Services <i>SWD</i> Project: Flowline Supplying The Bermuda Basin Project Manager: Gio Gonzalez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: glo@pimaoil.com Report due by:		Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-119		Lab Use Only Lab Work# E 407033 Job Number 01058-0007		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
				Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 900.0 BGDOC NM BGDOC TX		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 900.0	BGDOC NM	BGDOC TX	Remarks
8:50	6/28	S	1	A11-3'	11							X		
8:56				A12-3'	12									
9:03				A13-3'	13									
9:10				A14-3'	14									
9:14				A15-3'	15									
9:17				A16-3'	16									
9:20				A17-3'	17									
9:26				A18-3'	18									
9:33				A19-3'	19									
9:39				A20-3'	20									

Additional Instructions: B# 21030907

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

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

Relinquished by: (Signature) Kerinne Adams Date 7/8/24 Time 3:47		Received by: (Signature) Michelle Gonzales Date 7-8-24 Time 1547		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	
Relinquished by: (Signature) Michelle Gonzales Date 7-8-24 Time 1755		Received by: (Signature) J.M. Date 7-8-24 Time 1755		T1 _____ T2 _____ T3 _____	
Relinquished by: (Signature) J.M. Date 7-8-24 Time 2400		Received by: (Signature) [Signature] Date 7-9-24 Time 1120		AVG Temp °C 4	

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

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



Released to Imaging: 7/17/2024 4:54:04 PM

Received by OCD: 7/15/2024 12:42:22 PM

Page 40 of 42

Page 78 of 88

Project Information
Basin SWD
Flowline Supplying the Remuda

Chain of Custody

Client: Pima Environmental Services Project: 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:	Attention: Devon	Lab Use Only Lab WQ#: F407033 Job Number: 01058-0007		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/>		
	Address: City, State, Zip Phone: Email:	Analysis and Method		Standard		RCRA		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
	Pima Project # 1-119	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
9:42	6/28	S	1	A21-3'	21							<input checked="" type="checkbox"/>		
9:47				A22-3'	22									
9:50				A23-3'	23									
9:58				A24-3'	24									

Additional Instructions: B# 21030907

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) Kerime Horne Date: 7/8/24 Time: 3:47	Received by: (Signature) Michelle Gonzales Date: 7-8-24 Time: 1547	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Relinquished by: (Signature) Michelle Gonzales Date: 7-8-24 Time: 1755	Received by: (Signature) J.M. Date: 7.8.24 Time: 1755	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) J.M. Date: 7.8.24 Time: 2400	Received by: (Signature) Steve Date: 7-9-24 Time: 1120	AVG Temp °C 4

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

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



Envirotech Analytical Laboratory

Printed: 7/9/2024 3:00:52PM

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: 07/09/24 11:20 Work Order ID: E407033
Phone: (575) 631-6977 Date Logged In: 07/08/24 16:31 Logged In By: Alexa Michaels
Email: gio@pimaoil.com Due Date: 07/09/24 17:00 (0 day TAT)

Chain of Custody (COC)

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

Carrier: Couier

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

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 Instruction

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

Date



envirotech Inc.

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

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

QUESTIONS
 Action 364072

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2213647597
Incident Name	NAPP2213647597 FLOW LINE SUPPLYING REMUDA BASIN SWD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	FLOW LINE SUPPLYING REMUDA BASIN SWD
Date Release Discovered	05/13/2022
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 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)	The 4" ploy inlet line to the Remuda Basin SWD was struck by an unknown object cutting a gash into the line. Fluids were not in a lined/unlined containment. Fluids were not on pad. Fluids were offsite. Valves on both side of the breach were turned off thus isolating the line and stopping the leak.

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

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

QUESTIONS, Page 2

Action 364072

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 07/15/2024
--	--

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	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	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	301
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	62.1
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	04/27/2023
On what date will (or did) the final sampling or liner inspection occur	06/28/2024
On what date will (or was) the remediation complete(d)	04/27/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	8375
What is the estimated volume (in cubic yards) that will be remediated	1166

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

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

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

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

QUESTIONS, Page 4

Action 364072

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	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	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 07/15/2024
--	--

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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 364072

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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

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

QUESTIONS, Page 6

Action 364072

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	357511
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/28/2024
What was the (estimated) number of samples that were to be gathered	24
What was the sampling surface area in square feet	5455

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	8375
What was the total volume (cubic yards) remediated	1166
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	8375
What was the total volume (in cubic yards) reclaimed	1166
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/15/2024
--	--

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 364072

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS
 Action 364072

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 364072
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/17/2024