

**Ridgeway Arizona Oil Corp.
575 N. Dairy Ashford
Suite 210
Houston, TX 77079**

June 19, 2024

NMOCD District 1
1625 N French Dr.
Hobbs, NM, 88240

**RE: Site Assessment and Remediation Work Plan
Jennifer Chaveroo SA Unit #028
API No. 30-041-10617
GPS: Latitude 33.6818 Longitude -103.5069
UL "F", Section 30, Township 07S, Range 34E
Roosevelt County, NM
NMOCD Reference No. NAPP2230148030**

Ridgeway Arizona Oil Corp. (Ridgeway) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment and prepare this remediation work plan, for a crude oil and produced water release at the Jennifer Chaveroo SA Unit #028 (Jennifer). This incident was assigned Incident ID NAPP2230148030 by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Jennifer Chaveroo SA Unit #028 is located approximately ten (10) miles NW of Milensand, NM. This spill site is in Unit F, Section 30, Township 07S, Range 34E, Latitude 33.6818 Longitude -103.5069, Roosevelt County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area Includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits. The soil in this area is made up of Jalmar, Amarose, and Vestwells soils, having 1 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Jennifer (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 150 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 223 feet BGS. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2230148030: On October 27, 2022, it was discovered that the cause of the release was potentially a bullet hole in the tank approximately 10' from the bottom of the tank, but possibly tank corrosion, releasing 4 bbls of crude oil and 25 bbls of produced water. A vacuum truck was called and was able to recover 2bbls of oil crude and 15 bbls of produced water.

Site Assessment

On February 23, 2024, Pima mobilized personnel to perform a site assessment and collect soil samples. Grab soil samples were collected within and around the impacted area utilizing a hand auger. The laboratory results from this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

2-23-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
Ridgeway Arizona Corporation- Jennifer Chaveroo SA Unit #028									
Sample Date: 2-23-24			NM Approved Laboratory Results						
Sample ID	Sample Date:	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	2/23/2024	1'	ND	ND	ND	ND	ND	0	210
		2'	ND	ND	ND	367	787	1154	231
		3'	ND	ND	ND	319	ND	319	143
		4'	ND	ND	ND	ND	ND	0	1170
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S2	2/23/2024	1'	ND	ND	ND	ND	ND	0	220
		2'	ND	ND	ND	99.4	214	313.4	247
		3'	ND	ND	ND	245	327	572	134
		4'	ND	ND	ND	118	251	369	504
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S3	2/23/2024	1'	ND	ND	ND	ND	ND	0	120
		2'	ND	ND	ND	212	371	583	180
		3'	ND	ND	ND	70.7	102	172.7	140
		4'	ND	ND	ND	73	128	201	649
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S4	2/23/2024	1'	ND	ND	ND	ND	ND	0	216
		2'	ND	ND	ND	230	488	718	157
		3'	ND	ND	ND	224	410	634	139
		4'	ND	ND	ND	55.9	117	172.9	493
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S5	2/23/2024	1'	ND	ND	ND	ND	ND	0	235
		2'	ND	ND	ND	556	1310	1866	233
		3'	ND	ND	ND	165	256	421	143
		4'	ND	ND	ND	35	93.8	128.8	488
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
S6	2/23/2024	1'	ND	ND	ND	ND	ND	0	312

		2'	ND	ND	ND	949	2010	2959	241
		3'	ND	ND	ND	87.8	138	225.8	136
		4'	ND	ND	ND	ND	282	282	493
	3/6/2024	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
	S7	2/23/2024	1'	ND	ND	ND	ND	530	297
			2'	ND	ND	ND	ND	0	321
			3'	ND	ND	ND	ND	0	603
			4'	ND	ND	ND	ND	0	1140
		3/6/2024	5'	ND	ND	ND	ND	0	ND
			6'	ND	ND	ND	ND	0	ND
SW 1	2/23/2024	0-4'	ND	ND	ND	ND	ND	0	ND
SW 2		0-4'	ND	ND	ND	ND	ND	0	ND
SW 3		0-4'	ND	ND	ND	ND	ND	0	ND
SW 4		0-4'	ND	ND	ND	ND	ND	0	ND
SW 5		0-4'	ND	ND	ND	ND	ND	0	ND
SW 6		0-4'	ND	ND	ND	ND	ND	0	ND
SW 7		0-4'	ND	ND	ND	ND	ND	0	ND
SW 8		0-4'	ND	ND	ND	ND	ND	0	ND
BG 1		1'	ND	ND	ND	ND	ND	0	ND

ND – Non-Detect

Remediation Work Plan

On behalf of Ridgeway, Pima proposes to remediate this area by the following method:

1. Submit a one-call through the NM811 system.
2. The estimated volume of soil to be remediated is approximately 233 cubic yards. This is based on a 1,400 square foot area and an average depth of 4- 1/2 feet bgs.
3. We propose to excavate the affected area using mechanical and hand equipment and dispose of the contaminated soil at an NMOCD-approved facility, Site Map can be found in figure 4.
4. After Ridgeway submits a 48-hour notification, we will collect 5-point composite samples from the excavated areas. These sample points will be base samples from excavated areas, and sidewall samples from the walls of each excavations representative of no more than 200 square feet.
5. Upon final receipt of lab reports showing contamination levels are under the regulatory limits of Table 1 NMAC 19.15.29, and complete delineation horizontally, a closure report will be drafted and submitted to the NMOCD portal for review and approval.
6. Work will commence within 30 days of approval of this work plan by NMOCD and will be completed within 30 days after the start of construction.

For questions or additional information, please feel free to contact:

Ridgeway Arizona Oil Corp – Charles Hinojosa – 713-574-7912 or chinojosa@pedevco.com.

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

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Proposed Excavation Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – Photographic Documentation
- Appendix D – Laboratory Reports



Pima Environmental Services

Figures:

1. Location Map
2. Topographic Map
3. Karst Map
4. Site Map
5. Proposed Excavation Map

Jennifer Chaveroo SA Unit #28

Ridgeway Arizona Oil Corp.
API #30-041-10617
Roosevelt County, NM
Location Map

Legend

● Jennifer Chaveroo SA Unit #28

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Jennifer Chaveroo SA Unit #28

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206

Google Earth

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Image Landsat / Copernicus

9 mi



Jennifer Chaveroo SA Unit #028

Ridgeway Arizona Oil Corp
API:30-041-10617
Roosevelt County, NM
Topographic Map

Legend



Jennifer Chaveroo SA Unit #028

Jennifer Chaveroo SA Unit #028

Google Earth




3 mi

Jennifer Chaveroo SA Unit #028

Ridgeway Arizona Oil Corp
API:30-041-10617
Roosevelt County, NM
Topographic Map

Legend

-  Low Karst
-  High Karst
-  Jennifer Chaveroo SA Unit #028
-  Medium Karst

Jennifer Chaveroo SA Unit #028 

258

258

Google Earth

Image © 2024 Airbus

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5 mi

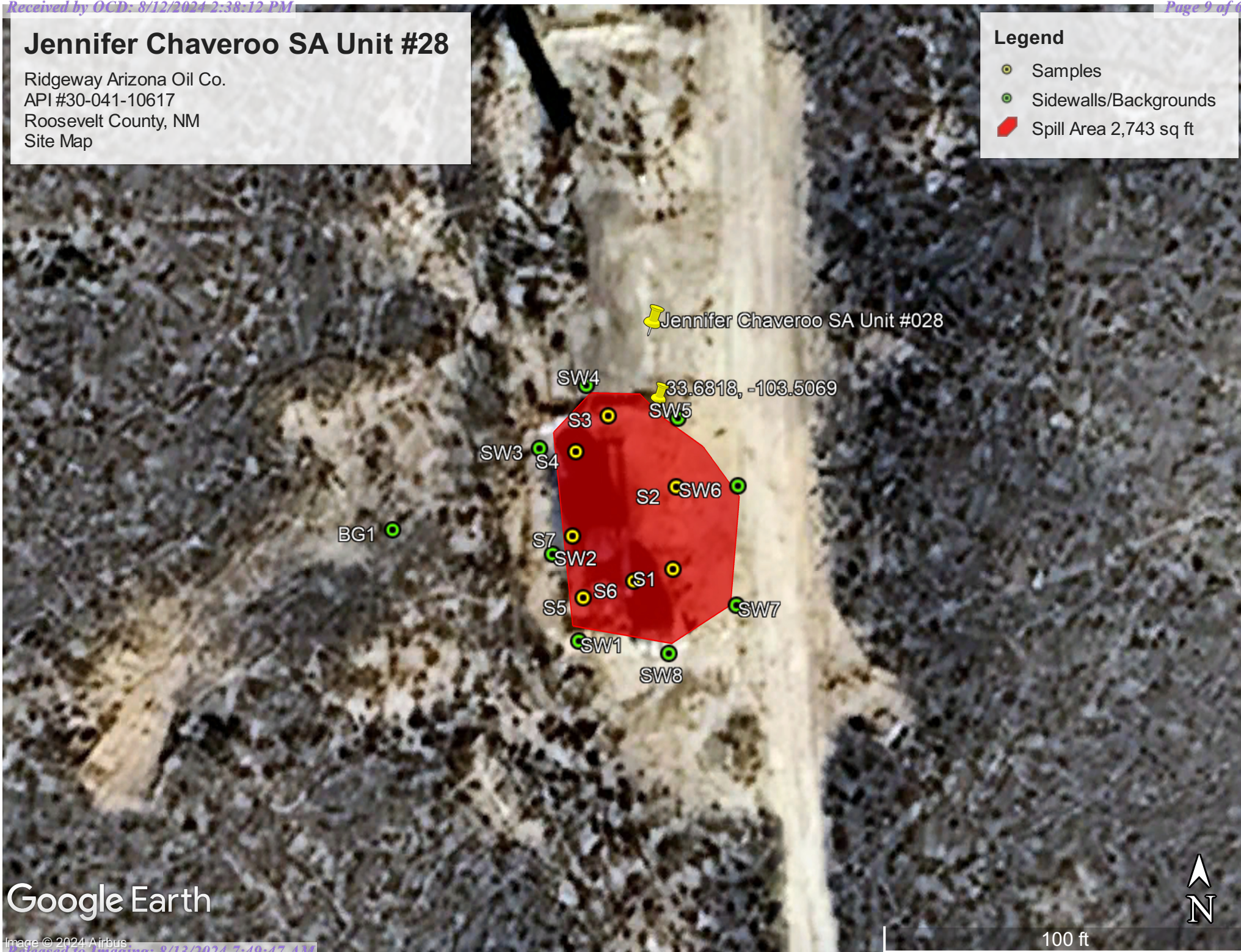


Jennifer Chaveroo SA Unit #28

Ridgeway Arizona Oil Co.
API #30-041-10617
Roosevelt County, NM
Site Map

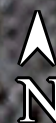
Legend

-  Samples
-  Sidewalls/Backgrounds
-  Spill Area 2,743 sq ft



Google Earth





100 ft

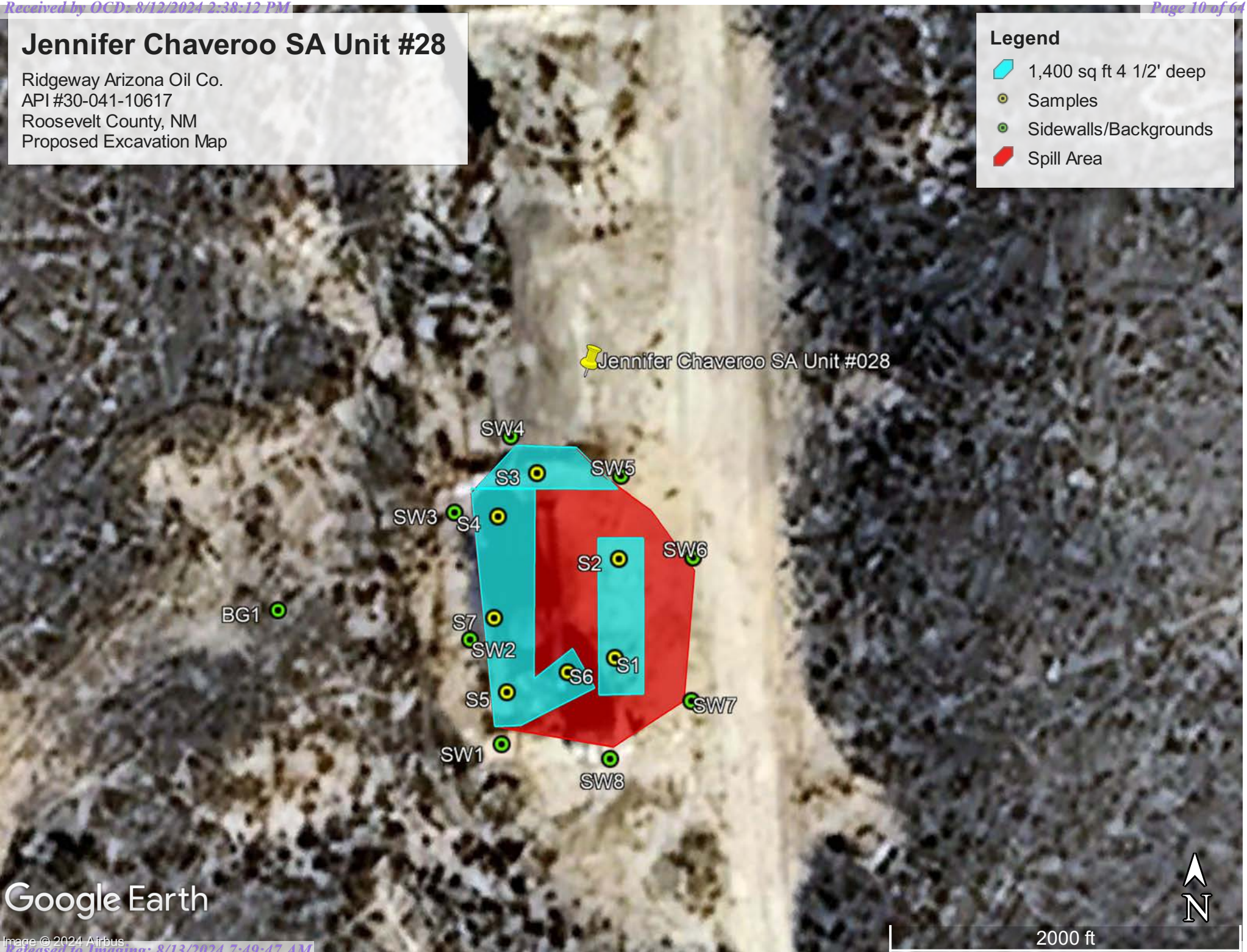


Jennifer Chaveroo SA Unit #28

Ridgeway Arizona Oil Co.
API #30-041-10617
Roosevelt County, NM
Proposed Excavation Map

Legend

-  1,400 sq ft 4 1/2' deep
-  Samples
-  Sidewalls/Backgrounds
-  Spill Area



Google Earth



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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
L 13691 POD1		L	LE	1	1	4	22	09S	32E	637362	3725298	2672		150		
CL 00385 POD1		CL	CH	3	3	4	15	08S	33E	634369	3720406	8387		349		
L 14097 POD1		L	LE	1	3	3	06	20S	35E	638740	3718500	9266		61	0	61

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 638401.24

Northing (Y): 3727760.86

Radius: 10000

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.




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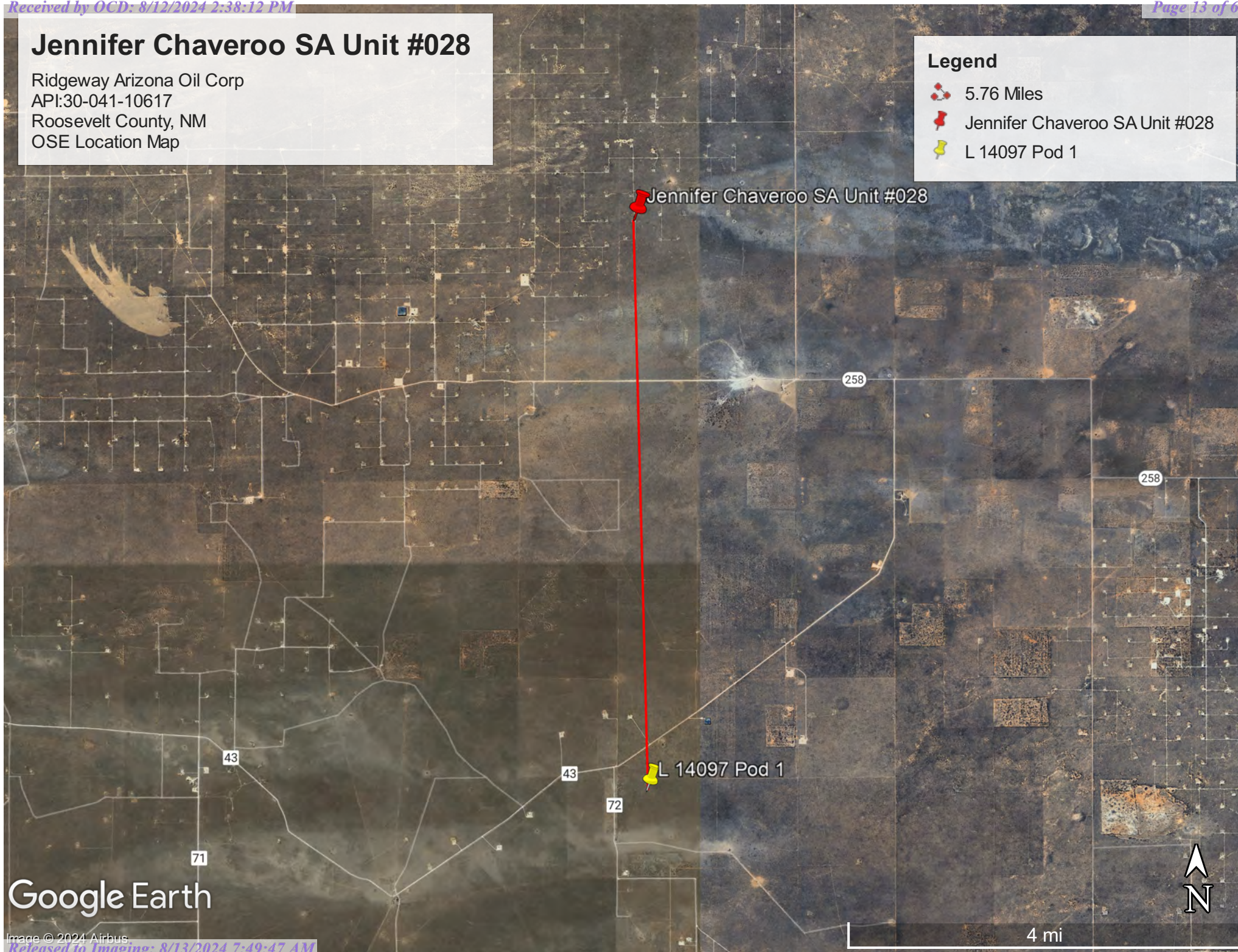
WATER COLUMN/ AVERAGE DEPTH TO
WATER

Jennifer Chaveroo SA Unit #028

Ridgeway Arizona Oil Corp
API:30-041-10617
Roosevelt County, NM
OSE Location Map

Legend

-  5.76 Miles
-  Jennifer Chaveroo SA Unit #028
-  L 14097 Pod 1





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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 334115103321601

Minimum number of levels = 1

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

USGS 334115103321601 07S.33E.23.343224

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 13060003

Latitude 33°41'15", Longitude 103°32'16" NAD27

Land-surface elevation 4,347 feet above NGVD29

The depth of the hole is 355 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

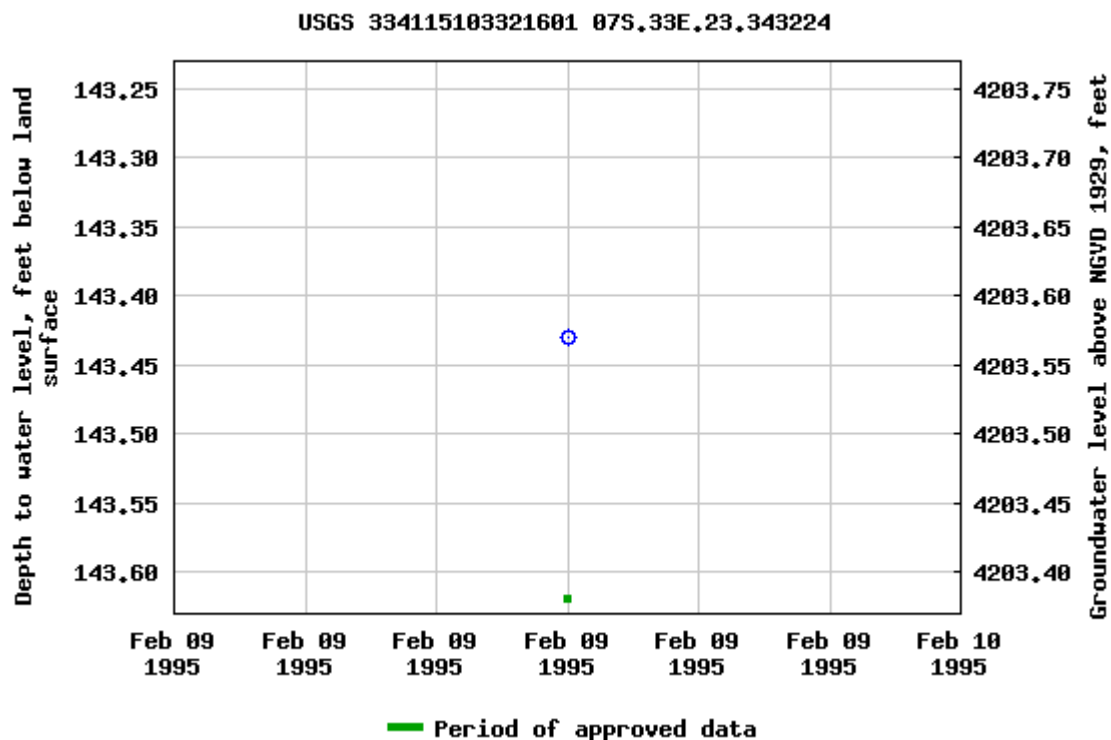
Output formats

[Table of data](#)

[Tab-separated data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels

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



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




Page Last Modified: 2024-03-07 14:44:26 EST

0.59 0.52 nadww02

Jennifer Chaveroo SA Unit #028

Ridgeway Arizona Oil Corp
API:30-041-10617
Roosevelt County, NM
USGS Location Map

Legend

-  1.84 Miles
-  Jennifer Chaveroo SA Unit #028
-  USGS 334115103321601

USGS 334115103321601

Jennifer Chaveroo SA Unit #028

Google Earth

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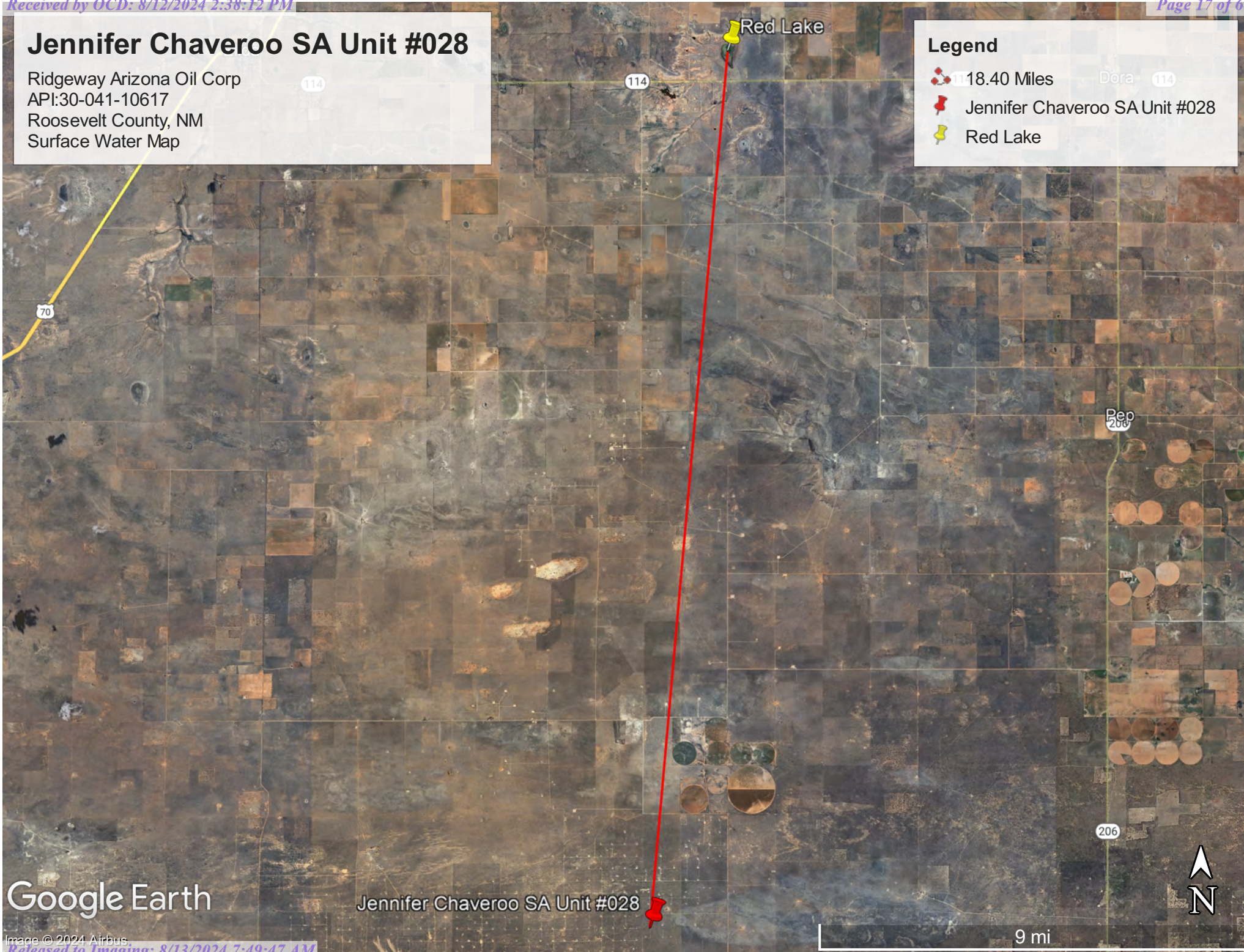
1 mi

Jennifer Chaveroo SA Unit #028

Ridgeway Arizona Oil Corp
API:30-041-10617
Roosevelt County, NM
Surface Water Map

Legend

-  18.40 Miles
-  Jennifer Chaveroo SA Unit #028
-  Red Lake



Google Earth

Jennifer Chaveroo SA Unit #028



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Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

Roosevelt County, New Mexico

JAV—Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1idym
Elevation: 2,500 to 4,600 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Jalmar and similar soils: 30 percent
Amarose and similar soils: 25 percent
Vestwells and similar soils: 24 percent
Minor components: 21 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Jalmar

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits

Typical profile

A - 0 to 12 inches: fine sand
E - 12 to 30 inches: fine sand
Bt1 - 30 to 55 inches: fine sandy loam
Bt2 - 55 to 80 inches: sandy clay loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Description of Amarose

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits

Typical profile

A - 0 to 10 inches: loamy fine sand
Bt1 - 10 to 34 inches: sandy clay loam
Bt2 - 34 to 42 inches: fine sandy loam
Btk - 42 to 80 inches: loam

Properties and qualities

Slope: 1 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 (0.57 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: 55 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Description of Vestwells

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits

Typical profile

A - 0 to 5 inches: fine sand
E - 5 to 22 inches: fine sand
Bt1 - 22 to 41 inches: sandy clay loam

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

Bt2 - 41 to 48 inches: sandy clay
Btkk - 48 to 80 inches: sandy clay loam

Properties and qualities

Slope: 1 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): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Available water supply, 0 to 60 inches: Moderate (about 7.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Minor Components**Elida**

Percent of map unit: 13 percent
Landform: Playa slopes, plains
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Concave, linear
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Douro

Percent of map unit: 5 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

Triomas

Percent of map unit: 3 percent
Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R077DY046TX - Sandy 12-17" PZ

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

Hydric soil rating: No

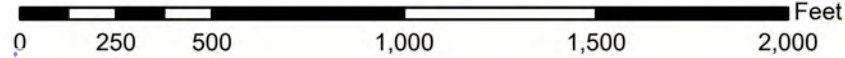
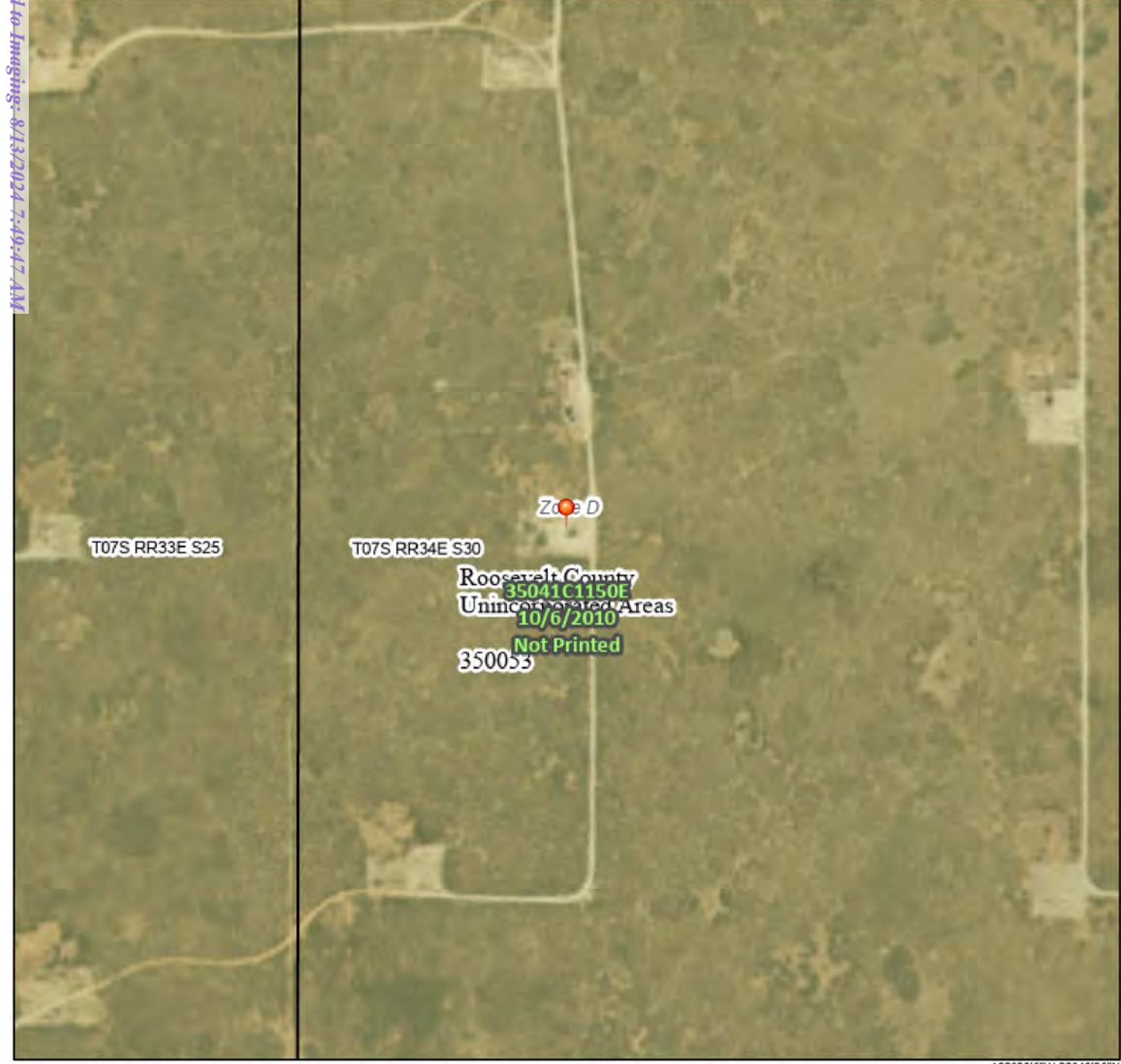
Data Source Information

Soil Survey Area: Roosevelt County, New Mexico
Survey Area Data: Version 20, Sep 7, 2023

National Flood Hazard Layer FIRMette



103°30'44"W 33°41'6"N



1:6,000

103°30'6"W 33°40'36"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

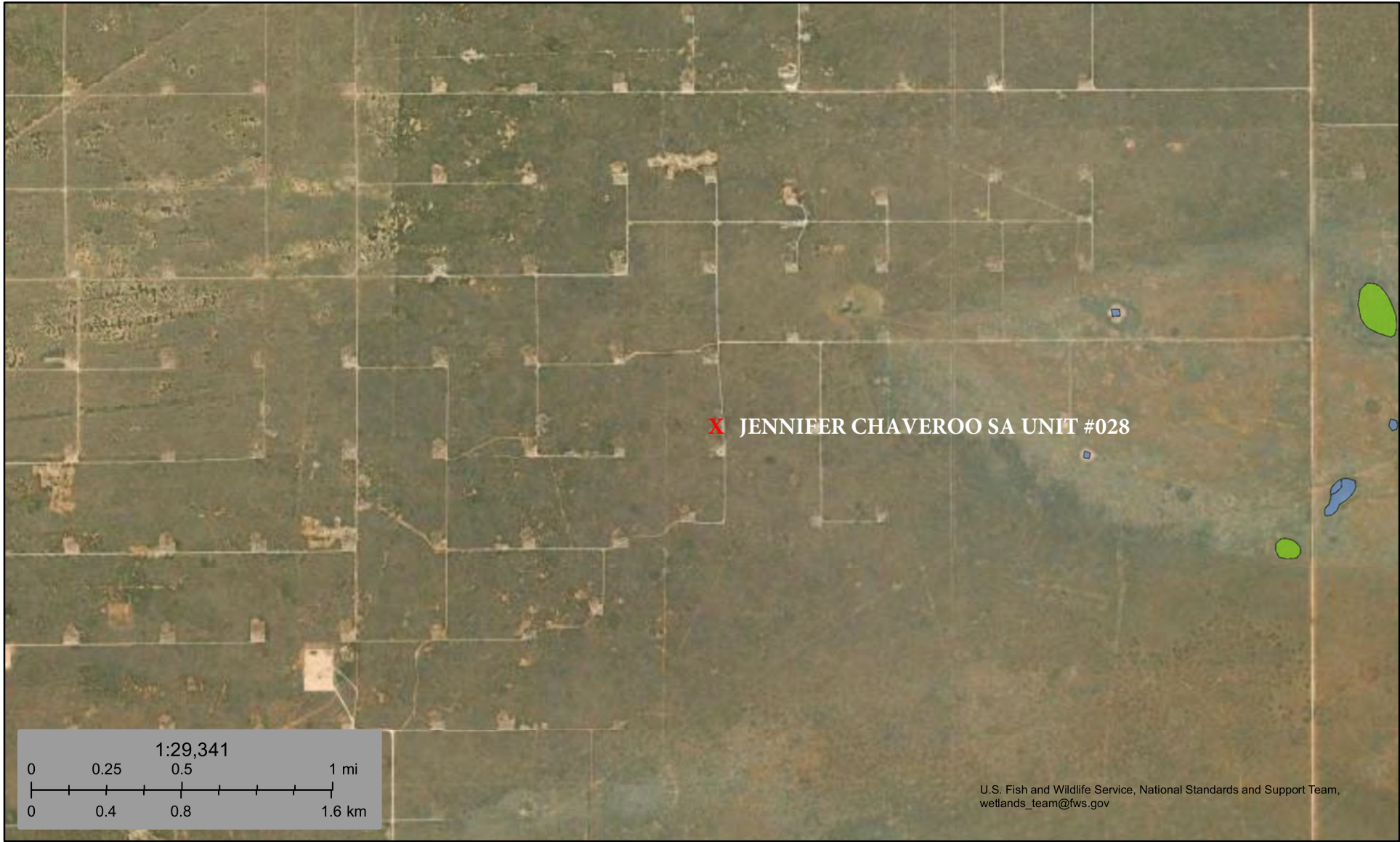
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/7/2024 at 2:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



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May 22, 2024

Wetlands

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

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



Pima Environmental Services

Appendix C

Photographic Documentation



SITE PHOTOGRAPHS
Ridgeway Arizona Oil Corporation
Jennifer Chaveroo SA Unit #028

Assessment







Pima Environmental Services

Appendix D

Laboratory Reports

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jennifer Chaveroo SA Unit #028

Work Order: E403091

Job Number: 21064-0001

Received: 3/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/15/24

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: 3/15/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Jennifer Chaveroo SA Unit #028
Workorder: E403091
Date Received: 3/9/2024 9:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2024 9:00:00AM, under the Project Name: Jennifer Chaveroo SA Unit #028.

The analytical test results summarized in this report with the Project Name: Jennifer Chaveroo SA Unit #028 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Chain of Custody etc.

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported: 03/15/24 17:14
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-5'	E403091-01A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S1-6'	E403091-02A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S2-5'	E403091-03A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S2-6'	E403091-04A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S3-5'	E403091-05A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S3-6'	E403091-06A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S4-5'	E403091-07A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S4-6'	E403091-08A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S5-5'	E403091-09A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S5-6'	E403091-10A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S6-5'	E403091-11A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S6-6'	E403091-12A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S7-5'	E403091-13A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.
S7-6'	E403091-14A	Soil	03/06/24	03/09/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S1-5'

E403091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	98.5 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	90.7 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	98.5 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	90.7 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	100 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S1-6'

E403091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	89.6 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	89.6 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	99.8 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S2-5'

E403091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		97.2 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		101 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		97.2 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane		95.5 %	50-200	03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S2-6'

E403091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	102 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	102 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	100 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S3-5'

E403091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.3 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.3 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	102 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S3-6'

E403091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	92.2 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	92.2 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	99.1 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S4-5'

E403091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	105 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	105 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/11/24	
Surrogate: n-Nonane	100 %	50-200		03/11/24	03/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S4-6'

E403091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.8 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.8 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane	101 %	50-200		03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Jennifer Chaveroo SA Unit #028 Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 3/15/2024 5:14:40PM
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S5-5'

E403091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.2 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	95.3 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	99.2 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane	101 %	50-200		03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S5-6'

E403091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		92.0 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		92.0 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		103 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/13/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported: 3/15/2024 5:14:40PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S6-5'

E403091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	98.7 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	98.7 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane	103 %	50-200		03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/14/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S6-6'

E403091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		95.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene		100 %	70-130	03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	03/10/24	03/14/24	
Surrogate: Toluene-d8		95.1 %	70-130	03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane		101 %	50-200	03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/14/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S7-5'

E403091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	94.8 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	94.8 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane	102 %	50-200		03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/14/24	



Sample Data

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

Project Name: Jennifer Chaveroo SA Unit #028
Project Number: 21064-0001
Project Manager: Gio Gomez

Reported:
3/15/2024 5:14:40PM

S7-6'

E403091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Benzene	ND	0.0250	1	03/10/24	03/14/24	
Ethylbenzene	ND	0.0250	1	03/10/24	03/14/24	
Toluene	ND	0.0250	1	03/10/24	03/14/24	
o-Xylene	ND	0.0250	1	03/10/24	03/14/24	
p,m-Xylene	ND	0.0500	1	03/10/24	03/14/24	
Total Xylenes	ND	0.0250	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	103 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411014
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/10/24	03/14/24	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/10/24	03/14/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/10/24	03/14/24	
Surrogate: Toluene-d8	103 %	70-130		03/10/24	03/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2411028
Diesel Range Organics (C10-C28)	ND	25.0	1	03/11/24	03/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/11/24	03/12/24	
Surrogate: n-Nonane	102 %	50-200		03/11/24	03/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2411092
Chloride	ND	20.0	1	03/13/24	03/14/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported: 3/15/2024 5:14:40PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411014-BLK1) Prepared: 03/10/24 Analyzed: 03/14/24

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	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			

LCS (2411014-BS1) Prepared: 03/10/24 Analyzed: 03/14/24

Benzene	2.27	0.0250	2.50		90.6	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.8	70-130			
Toluene	2.17	0.0250	2.50		86.7	70-130			
o-Xylene	2.32	0.0250	2.50		93.0	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.8	70-130			
Total Xylenes	7.01	0.0250	7.50		93.5	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.454		0.500		90.7	70-130			

LCS Dup (2411014-BSD1) Prepared: 03/10/24 Analyzed: 03/14/24

Benzene	2.47	0.0250	2.50		98.7	70-130	8.55	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	14.3	27	
Toluene	2.61	0.0250	2.50		104	70-130	18.6	24	
o-Xylene	2.58	0.0250	2.50		103	70-130	10.6	27	
p,m-Xylene	5.18	0.0500	5.00		104	70-130	9.87	27	
Total Xylenes	7.76	0.0250	7.50		103	70-130	10.1	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/15/2024 5:14:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411014-BLK1) Prepared: 03/10/24 Analyzed: 03/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			

LCS (2411014-BS2) Prepared: 03/10/24 Analyzed: 03/14/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

LCS Dup (2411014-BSD2) Prepared: 03/10/24 Analyzed: 03/14/24

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130	12.3	20	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/15/2024 5:14:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411028-BLK1)					Prepared: 03/11/24 Analyzed: 03/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		97.1	50-200			

LCS (2411028-BS1)					Prepared: 03/11/24 Analyzed: 03/11/24				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	44.3		50.0		88.7	50-200			

LCS Dup (2411028-BSD1)					Prepared: 03/11/24 Analyzed: 03/11/24				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132	2.60	20	
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jennifer Chaveroo SA Unit #028	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/15/2024 5:14:40PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2411092-BLK1)					Prepared: 03/13/24 Analyzed: 03/13/24				
Chloride	ND	20.0							
LCS (2411092-BS1)					Prepared: 03/13/24 Analyzed: 03/13/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2411092-MS1)					Source: E403091-03		Prepared: 03/13/24 Analyzed: 03/13/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2411092-MSD1)					Source: E403091-03		Prepared: 03/13/24 Analyzed: 03/13/24		
Chloride	264	20.0	250	ND	105	80-120	3.22	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:	Jennifer Chaveroo SA Unit #028	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	03/15/24 17:14

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

Chain of Custody

Project Information

Client: Pima Environmental Services
 Project: Jennifer Chaves SA Unit #28
 Project Manager: Gio Gomez
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM. 88240
 Phone: 806-782-1151
 Email: gio@pimaoil.com

Bill To
 Attention: Ridgeway
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 7-151

Report due by:

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Lab Use Only						TAT				EPA Program	
						Lab WO#	Job Number	1D	2D	3D	Standard					CWA	SDWA
						E 403091	21064-0001				X						RCRA
						Analysis and Method										State	
						DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX			NM	CO
																UT	AZ
																TX	
																Remarks	
8:00	3/6	S	1	S1-5'	1								X				
8:09				S1-6'	2												
8:13				S2-5'	3												
8:19				S2-6'	4												
8:25				S3-5'	5												
8:33				S3-6'	6												
8:45				S4-5'	7												
8:56				S4-6'	8												
9:11				S5-5'	9												
9:18				S5-6'	10												

Additional Instructions:

Bill to Pima

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:				Received by: (Signature)		Date		Time		Lab Use Only	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: Y / N					
Karime Adams	3/8/24	1:50	Micelle Gay	3-8-24	1350						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1		T2		T3	
Micelle Gay	3-8-24	1745	Andrew Hobbs	3-8-24	1745						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C					
Andrew Hobbs	3-8-24	2400	Ramona	3/9/24	9:00	4					

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

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

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

 **envirotech**

Project Information

[illegible]

Envirotech Analytical Laboratory

Printed: 3/14/2024 2:46:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/09/24 09:00	Work Order ID:	E403091
Phone:	(575) 631-6977	Date Logged In:	03/08/24 17:34	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	03/15/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

Sample E403091-12 has duplicate name of S6-5 on COC. Physical sample is labeled S6-6. See green COC for corrections.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Chain of Custody

Project Information

Client: Pima Environmental Services Project: Jennifer Chavero SA Unit #28 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Ridgeway Address: City, State, Zip: Phone: Email: Pima Project # 7-151					Lab Use Only Lab WO# E 408091 Job Number 21064-0001 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
8:00	3/6	S	1	S1-5'	1								X							
8:09				S1-6'	2															
8:13				S2-5'	3															
8:19				S2-6'	4															
8:25				S3-5'	5															
8:33				S3-6'	6															
8:45				S4-5'	7															
8:56				S4-6'	8															
9:11				S5-5'	9															
9:18				S5-6'	10															
Additional Instructions: Bill to Pima																				
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.																				
Relinquished by: (Signature) <u>Karim Adame</u> Date <u>3-8-24</u> Time <u>1:50</u>																				
Relinquished by: (Signature) <u>Andrew Webb</u> Date <u>3-8-24</u> Time <u>1745</u>																				
Relinquished by: (Signature) <u>Andrew Webb</u> Date <u>3-8-24</u> Time <u>2400</u>																				
Received by: (Signature) <u>Michelle G...</u> Date <u>3-8-24</u> Time <u>1350</u>																				
Received by: (Signature) <u>Andrew Webb</u> Date <u>3-8-24</u> Time <u>1745</u>																				
Received by: (Signature) <u>Rain...</u> Date <u>3/9/24</u> Time <u>9:00</u>																				
Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

Chain of Custody

Project Information

[illegible]

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

QUESTIONS

Action 372909

QUESTIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	372909
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2230148030
Incident Name	NAPP2230148030 JENNIFER CHAVEROO SAU TANK BATTERY @ 30-041-10617
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-041-10617] JENNIFER CHAVEROO SA UNIT #028

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JENNIFER CHAVEROO SAU TANK BATTERY
Date Release Discovered	10/27/2022
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Other Tank (Any) Crude Oil Released: 4 BBL Recovered: 2 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Other Tank (Any) Produced Water Released: 25 BBL Recovered: 15 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 372909

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	372909
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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: Charles Hinojosa Title: Operations Manager Email: chinojosa@pedevco.com Date: 08/12/2024
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QUESTIONS, Page 3

Action 372909

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:
	164557
	Action Number:
	372909
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	1170
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2959
GRO+DRO	(EPA SW-846 Method 8015M)	949
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	09/12/2024
On what date will (or did) the final sampling or liner inspection occur	03/06/2024
On what date will (or was) the remediation complete(d)	11/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1400
What is the estimated volume (in cubic yards) that will be remediated	233

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.

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QUESTIONS, Page 4
Action 372909

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:	164557
	Action Number:	372909
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: chinojosa@pedevco.com Date: 08/12/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5
Action 372909

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372909
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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

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QUESTIONS, Page 6

Action 372909

QUESTIONS (continued)

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372909
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 372909

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 372909
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	The remediation plan is approved as written. Ridgeway Arizona Oil Co. has 90-days (November 12, 2024) to submit to OCD its appropriate or final remediation closure report.	8/13/2024