

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: *Dale Woodall* Date: 3/23/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 03/23/2023

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

Closure Approved by: *Robert Hamlet* Date: 8/15/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	nAPP2218649153
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Site Assessment/Characterization

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

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

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

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

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

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

Oil Conservation Division

Incident ID	nAPP2218649153
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Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/23/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/23/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

March 22, 2023

Bureau of Land Management
 620 East Green Street
 Carlsbad, NM 88220

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

Re: Site Assessment, Remediation, and Closure Report
West Shugart 29 Fed 3 Wellpad
API No. 30-015-30774
GPS: Latitude 32.713822 Longitude -103.897045 UL
M, Sec. 29, T18S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2218649153

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the West Shugart 29 Fed 3 Wellpad (Shugart). The initial C-141 was submitted on February 22, 2022 (Appendix C). This incident was assigned Incident ID NAPP2218649153 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Shugart is located approximately eight (8) miles southeast of Loco Hills, NM. This spill site is in Unit M, Section 29, Township 18S, Range 31E, Latitude 32.713822 Longitude -103.897045, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up deposits of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sand, 0 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 Shugart (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 204 feet BGS. The closest waterway is a Salt Playa and is located approximately 4.25 miles to the Southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (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

NAPP2218649153: On July 2, 2022, a water transfer line developed a leak causing fluid release along the lease road. The released fluids were calculated to be approximately 1.3 barrels (bbls) of produced water. No fluids were able to be recovered due to being soaked into the ground.

Site Assessment and Soil Sampling Results

On July 21, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

7-21-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - WEST SHUGART 29 FED #3 FLOWLINE								
Sample Date: 7/21/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
SW 1	1'	ND	ND	ND	ND	ND	0	ND
SW 2	1'	ND	ND	ND	ND	ND	0	ND
SW 3	1'	ND	ND	ND	ND	ND	0	ND
SW 4	1'	ND	ND	ND	ND	ND	0	ND
S-1	1'	ND	ND	ND	90.5	ND	90.5	12800
	2'	ND	ND	ND	ND	ND	0	248
	3'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	345	195	540	10300
	2'	ND	ND	ND	ND	ND	0	166
	3'	ND	ND	ND	ND	ND	0	ND
BG-1	6"	ND	ND	ND	ND	ND	0	ND
BG-2	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On October 19, 2022, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to an average depth of 2' bgs. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil, which was approximately 55 cubic yards, was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On October 22, 2022, after sending a 48-hour notification (Appendix C), Pima collected 5-point composite confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

10-22-22 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - WEST SHUGART 29 FED #3 FLOWLINE								
Date: 10/22/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS 1	2'	ND	ND	ND	ND	ND	0	23.9
CS 2	2'	ND	ND	ND	ND	ND	0	ND
CSW 1	2'	ND	ND	ND	ND	ND	0	ND
CSW 2	2'	ND	ND	ND	ND	ND	0	ND
CSW 3	2'	ND	ND	ND	ND	ND	0	ND
CSW 4	2'	ND	ND	ND	ND	ND	0	20.3
CSW 5	2'	ND	ND	ND	ND	ND	0	22.6
CSW 6	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to Lea Land, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2218649153 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

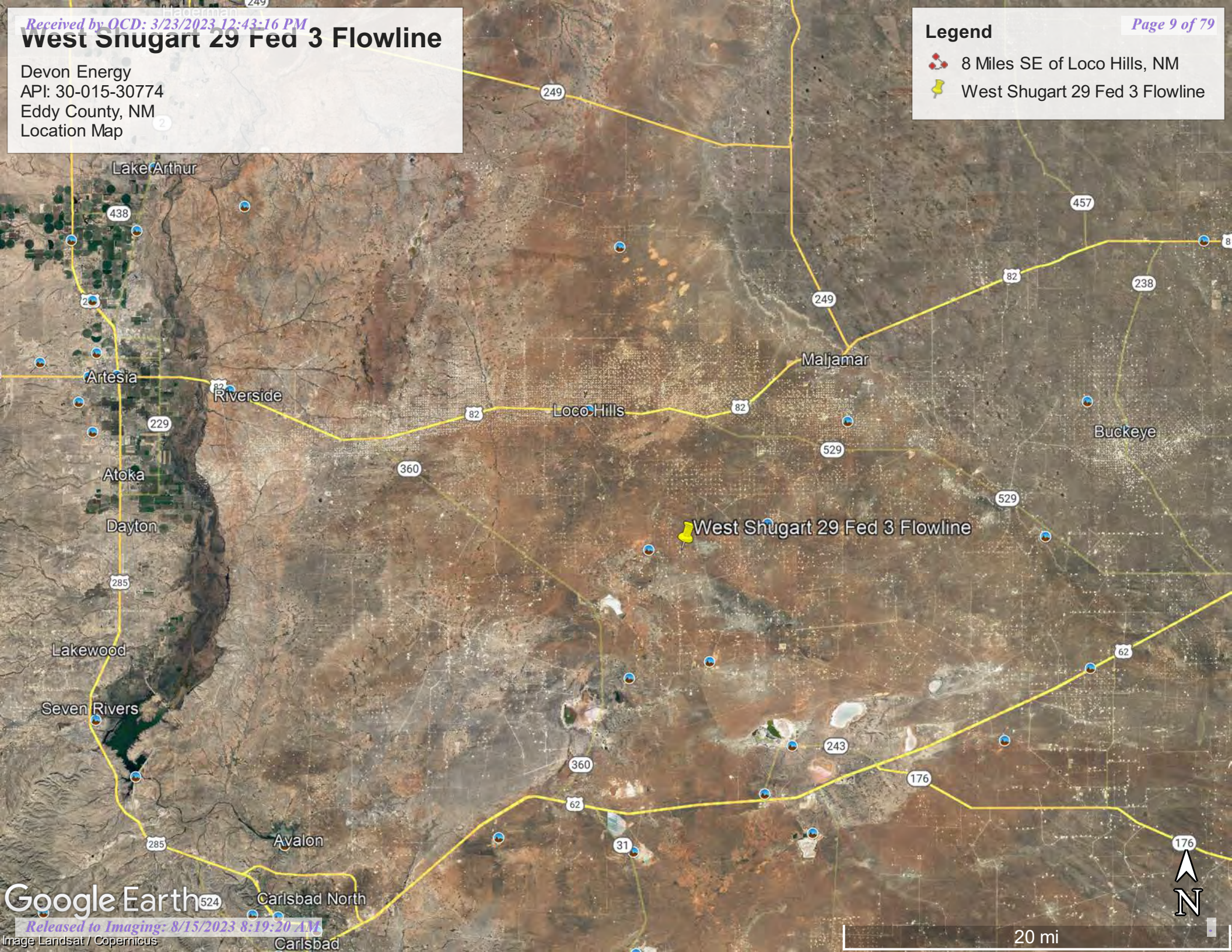
5-Confirmation Sample Map

West Shugart 29 Fed 3 Flowline

Devon Energy
API: 30-015-30774
Eddy County, NM
Location Map

Legend

-  8 Miles SE of Loco Hills, NM
-  West Shugart 29 Fed 3 Flowline



Devon Energy
API: 30-015-30774
Eddy County, NM
Topographic Map





 West Shugart 29 Fed 3 Flowline

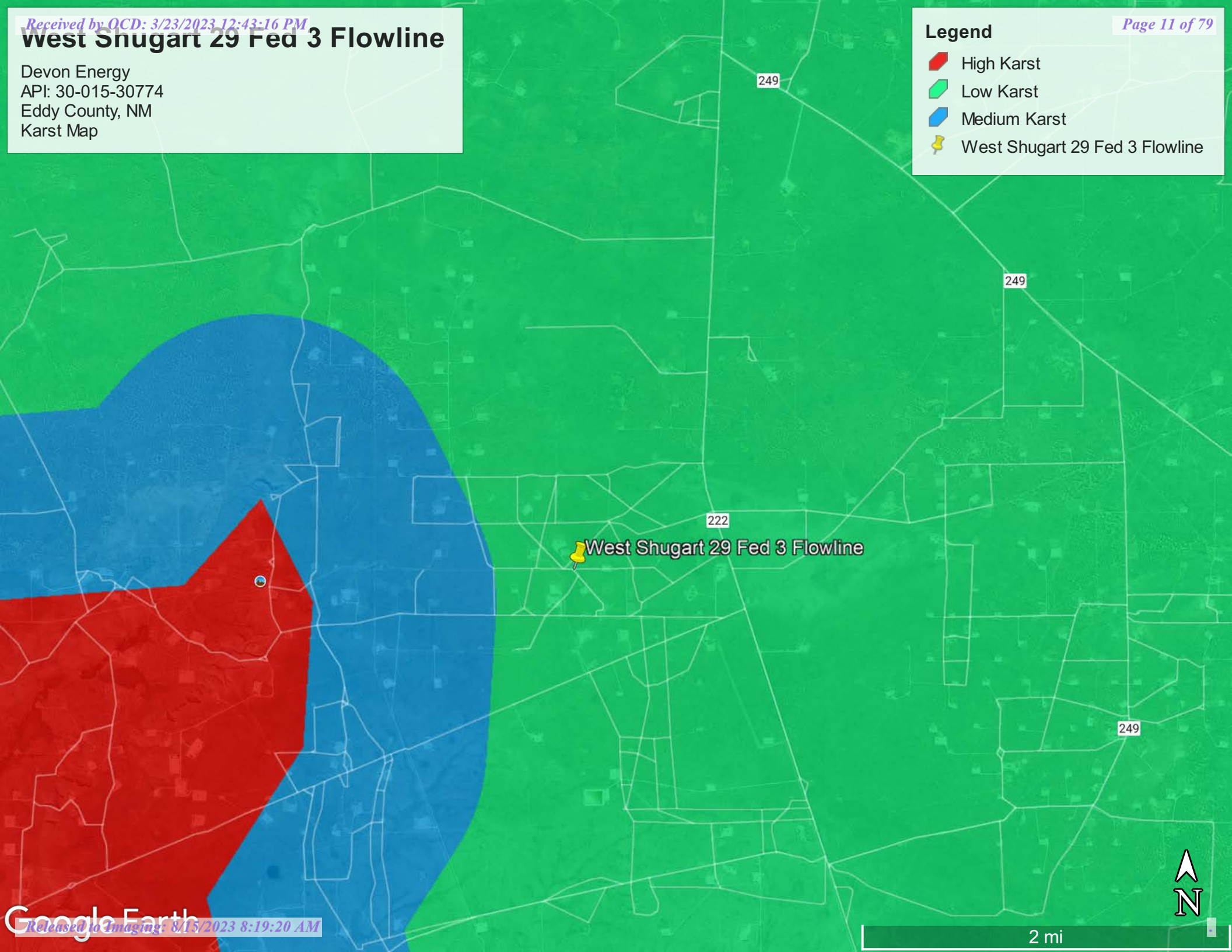


West Shugart 29 Fed 3 Flowline

Devon Energy
API: 30-015-30774
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  West Shugart 29 Fed 3 Flowline



West Shugart 29 Fed 2 Flowline

Devon Energy
API# 30-015-30774
Eddy County, NM
Site Map

Legend

- Background/Sidewalls
- Samples
- Spill area
- 📌 West Shugart 29 Fed 3

BG2

SW4

CS2

SW3

S1

SW1

BG1

SW2

West Shugart 29 Fed 3



100 ft

Google Earth

West Shugart 29 Fed 2 Flowline

Devon Energy
API# 30-015-30774
Eddy County, NM
Confirmation Sample Map

Legend

- Confirmation Samples
- Confirmation Sidewalls
- West Shugart 29 Fed 3 Flowline

West Shugart 29 Fed 3 Flowline

CSW6
CSW5 CS2
CSW4 CS1
CSW3



100 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00818 POD1	CP	LE		1	4	26	18S	30E		599289	3620364*	3994	240		
CP 00767 POD1	CP	ED		3	2	35	18S	30E		599300	3619158*	4137	500		
CP 00849 POD1	CP	LE		3	1	3	35	18S	31E	608012	3618757*	4967	300		
CP 00853 POD1	O	CP	ED	2	4	28	18S	30E		596472	3620340*	6811	350		
CP 00829 POD1	CP	LE		2	4	16	19S	31E		606165	3614009*	6900	120		
CP 00873 POD1	CP	LE		1	1	19	19S	31E		601772	3613147*	7289	340	180	160
CP 00647 POD1	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	7582	200	92	108
CP 01554 POD1	CP	LE		2	2	1	22	19S	31E	607166	3613354	7938	400		
CP 01554 POD2	CP	LE		2	2	1	22	19S	31E	607165	3613322	7966	400		

Average Depth to Water: **136 feet**

Minimum Depth: **92 feet**

Maximum Depth: **180 feet**

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 603283

Northing (Y): 3620278.38

Radius: 8000

*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.

8/4/22 9:21 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 324241103561201

Minimum number of levels = 1

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

USGS 324241103561201 18S.30E.26.4140

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'41", Longitude 103°56'12" NAD27

Land-surface elevation 3,432 feet above NAVD88

The depth of the well is 230 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

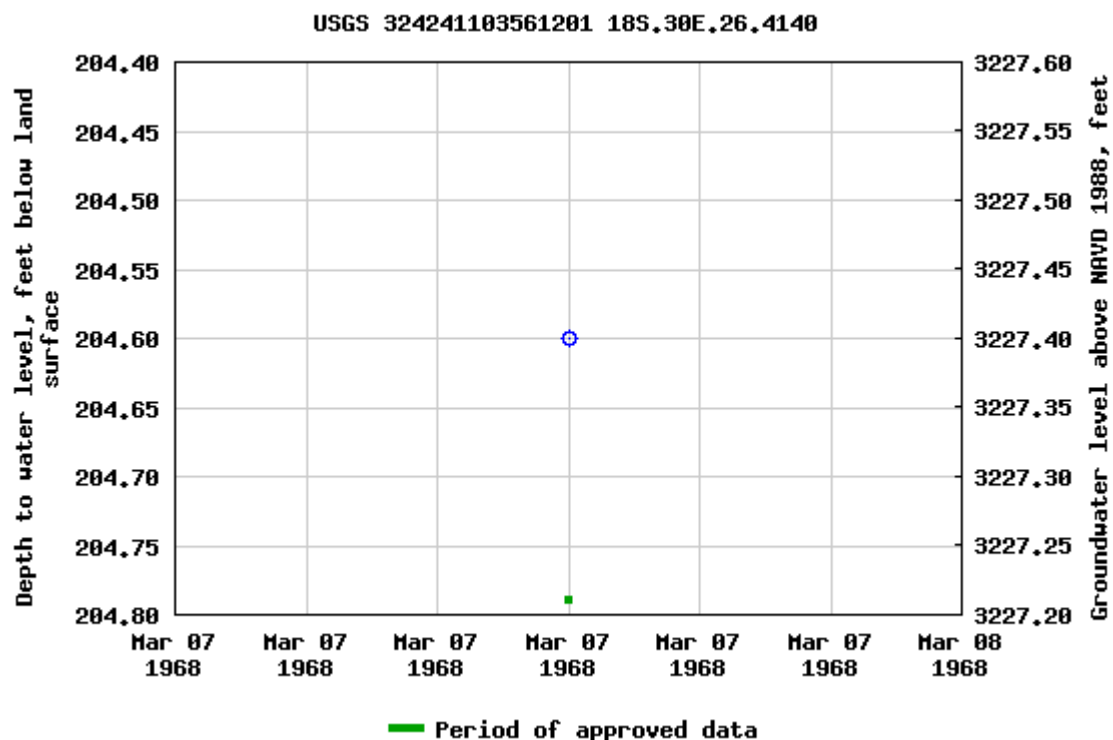
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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: 2022-07-12 12:34:44 EDT



0.59 0.52 nadww02

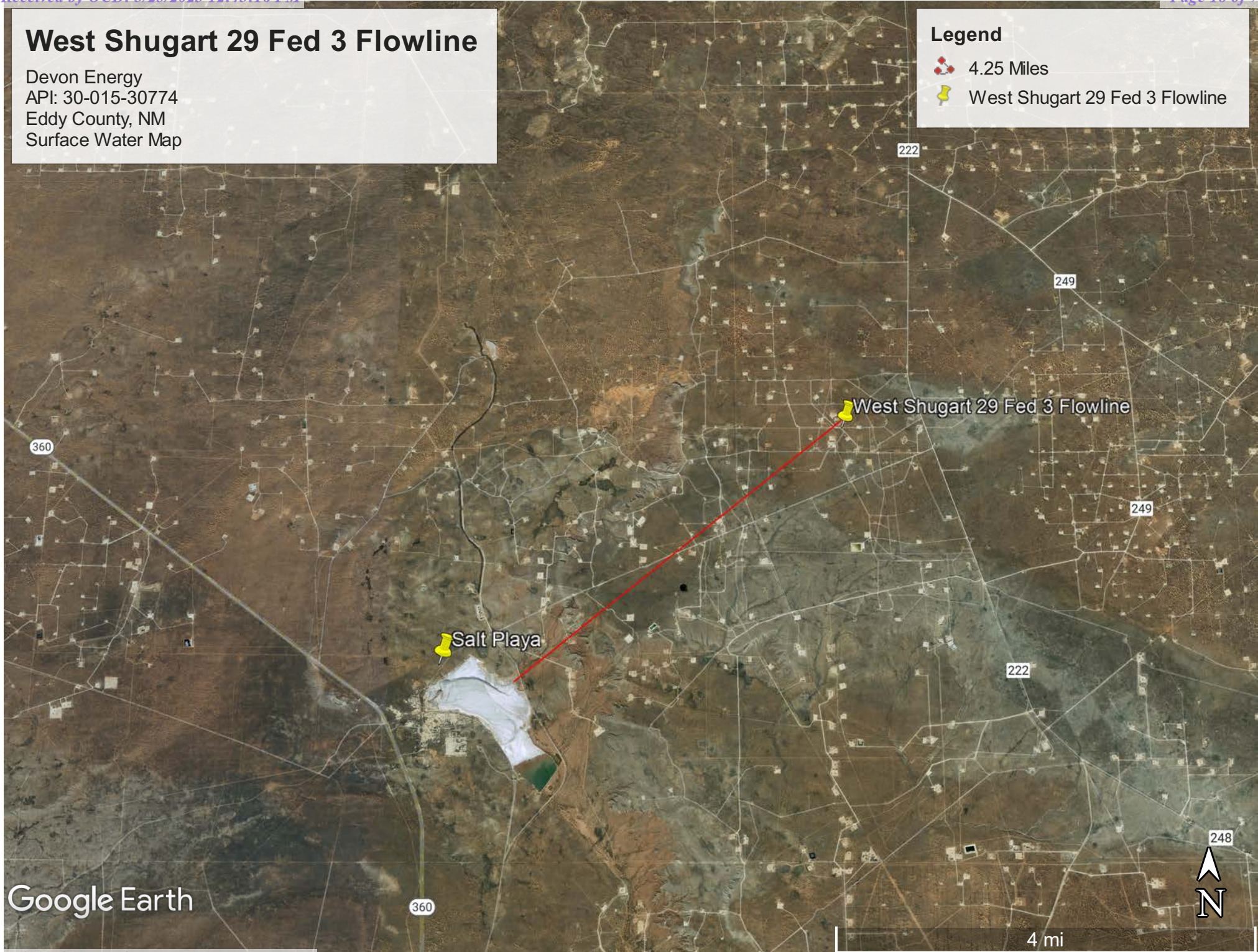


West Shugart 29 Fed 3 Flowline

Devon Energy
API: 30-015-30774
Eddy County, NM
Surface Water Map

Legend

-  4.25 Miles
-  West Shugart 29 Fed 3 Flowline





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 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: 99 percent

Minor components: 1 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 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: clay loam

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 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

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

National Flood Hazard Layer FIRMette



103°54'11"W 32°43'11"N



Legend

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

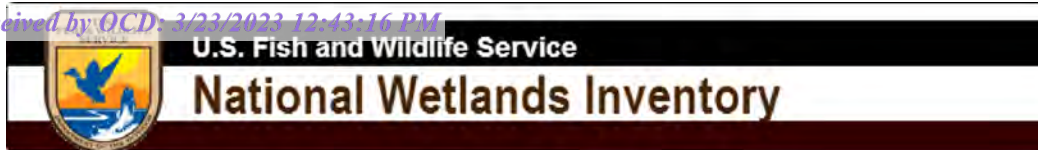
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
		Area of Minimal Flood Hazard Zone X
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile 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 11/4/2022 at 1:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



November 4, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.713822 Longitude -103.897045
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Shugart West 29 Fed 3 Wellpad	Site Type Oil
Date Release Discovered 7/02/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	29	31E	18S	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 1.3 BBLS	Volume Recovered (bbls) 0 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Flow line developed leak along road.

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra Ruiz</u> Signature: <u><i>Kendra Ruiz</i></u> email: <u>Kendra.Ruiz@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>2/22/2023</u> Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/22/2023</u>

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Oil Conservation Division

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/23/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2218649153
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: *Dale Woodall* Date: 3/23/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Confirmation Samples for West Shugart Flowline

1 message

Gio PimaOil <gio@pimaoil.com>

Wed, Oct 19, 2022 at 4:09 PM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will begin to collect confirmation samples at the West Shugart 29 Fed #3 Flowline for incident **NAPP2217930382** Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Saturday October 22, 2022. If you have any questions or concerns, please let me know. Thank you.

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY**

WEST SHUGART 29 FED #3 FLOWLINE

Pre-Treatment







Post Treatment





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 #3

Work Order: E207166

Job Number: 01058-0007

Received: 7/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/1/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/1/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: West Shugart 29 #3
Workorder: E207166
Date Received: 7/25/2022 8:23:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2022 8:23:00AM, under the Project Name: West Shugart 29 #3.

The analytical test results summarized in this report with the Project Name: West Shugart 29 #3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 #3	Reported: 08/01/22 12:08
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW.1	E207166-01A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
SW.2	E207166-02A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
SW.3	E207166-03A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
SW.4	E207166-04A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.1 1'	E207166-05A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.1 2'	E207166-06A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.1 3'	E207166-07A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.2 1'	E207166-08A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.2 2'	E207166-09A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
S.2 3'	E207166-10A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
BG 1	E207166-11A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.
BG 2	E207166-12A	Soil	07/21/22	07/25/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

SW.1

E207166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

SW.2

E207166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231062
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		132 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231070
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

SW.3

E207166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

SW.4

E207166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.1 1'

E207166-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	90.5	50.0	2	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	100	2	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	12800	400	20	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.1 2'

E207166-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		79.6 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	248	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.1 3'

E207166-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		70.8 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.2 1'

E207166-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		113 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	345	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	195	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	10300	200	10	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.2 2'

E207166-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231062
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231070
Chloride	166	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

S.2 3'

E207166-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

BG 1

E207166-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231062
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231070
Chloride	ND	20.0	1	07/28/22	07/28/22	



Sample Data

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

Project Name: West Shugart 29 #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2022 12:08:14PM

BG 2

E207166-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Benzene	ND	0.0250	1	07/25/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/25/22	07/28/22	
Toluene	ND	0.0250	1	07/25/22	07/28/22	
o-Xylene	ND	0.0250	1	07/25/22	07/28/22	
p,m-Xylene	ND	0.0500	1	07/25/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/25/22	07/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2231010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/22	07/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	07/25/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231062	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/22	07/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/22	07/28/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	07/28/22	07/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231070	
Chloride	ND	20.0	1	07/28/22	07/28/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2022 12:08:14PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231010-BLK1)

Prepared: 07/25/22 Analyzed: 07/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.16		8.00		114	70-130			

LCS (2231010-BS1)

Prepared: 07/25/22 Analyzed: 07/29/22

Benzene	4.35	0.0250	5.00		87.1	70-130			
Ethylbenzene	4.30	0.0250	5.00		86.1	70-130			
Toluene	4.38	0.0250	5.00		87.7	70-130			
o-Xylene	4.46	0.0250	5.00		89.1	70-130			
p,m-Xylene	8.74	0.0500	10.0		87.4	70-130			
Total Xylenes	13.2	0.0250	15.0		88.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.25		8.00		116	70-130			

LCS Dup (2231010-BSD1)

Prepared: 07/25/22 Analyzed: 07/29/22

Benzene	4.14	0.0250	5.00		82.9	70-130	4.92	20	
Ethylbenzene	4.11	0.0250	5.00		82.1	70-130	4.66	20	
Toluene	4.20	0.0250	5.00		84.0	70-130	4.30	20	
o-Xylene	4.26	0.0250	5.00		85.2	70-130	4.52	20	
p,m-Xylene	8.36	0.0500	10.0		83.6	70-130	4.41	20	
Total Xylenes	12.6	0.0250	15.0		84.1	70-130	4.45	20	
Surrogate: 4-Bromochlorobenzene-PID	9.30		8.00		116	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2022 12:08:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231010-BLK1)

Prepared: 07/25/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	10.1		8.00		126	70-130			

LCS (2231010-BS2)

Prepared: 07/25/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.36		8.00		117	70-130			

LCS Dup (2231010-BSD2)

Prepared: 07/25/22 Analyzed: 07/29/22

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130	10.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		8.00		112	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2022 12:08:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231062-BLK1)

Prepared: 07/28/22 Analyzed: 07/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.9		50.0		118	50-200			

LCS (2231062-BS1)

Prepared: 07/28/22 Analyzed: 07/28/22

Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: n-Nonane	60.3		50.0		121	50-200			

Matrix Spike (2231062-MS1)

Source: E207166-10

Prepared: 07/28/22 Analyzed: 07/28/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	38-132			
Surrogate: n-Nonane	58.1		50.0		116	50-200			

Matrix Spike Dup (2231062-MSD1)

Source: E207166-10

Prepared: 07/28/22 Analyzed: 07/28/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	2.64	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2022 12:08:14PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2231070-BLK1)					Prepared: 07/28/22 Analyzed: 07/28/22				
Chloride	ND	20.0							
LCS (2231070-BS1)					Prepared: 07/28/22 Analyzed: 07/28/22				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2231070-MS1)					Source: E207166-01		Prepared: 07/28/22 Analyzed: 07/28/22		
Chloride	249	20.0	250	ND	99.7	80-120			
Matrix Spike Dup (2231070-MSD1)					Source: E207166-01		Prepared: 07/28/22 Analyzed: 07/28/22		
Chloride	251	20.0	250	ND	100	80-120	0.696	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:	West Shugart 29 #3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/01/22 12:08

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

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

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

Project Information

Chain of Custody

Page 1 of 2

Client: <u>Pima Environmental Services</u>					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>West Shugart 29#3</u>					Attention: <u>Devon Energy</u>		Lab WO# <u>E207166</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:										State	
Phone: <u>580-748-1613</u>					Email:										NM CO UT AZ TX	
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>182</u>										X	
Report due by:															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			BDOC NM	BDOC TX	
10:00	7/21/22	S		SW.1	1									X		
10:05				SW.2	2											
10:10				SW.3	3											
10:15				SW.4	4											
10:20				S.1 1'	5											
10:25				S.1 2'	6											
10:30				S.1 3'	7											
10:35				S.2 1'	8											
10:40				S.2 2'	9											
10:45				S.2 3'	10											
Additional Instructions:																
Billing # <u>21048255</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>[Signature]</u>		7/27/22	3:30	<u>[Signature]</u>		7-27-22	3:17	Received on ice: <u>Y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>[Signature]</u>		7-27-22	4:15	<u>[Signature]</u>		7/25/22	8:23									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>[Signature]</u>				<u>[Signature]</u>												
Sample Matrix <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other										Container Type <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information



envirotech

Envirotech Analytical Laboratory

Printed: 7/25/2022 3:16:01PM

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:	07/25/22 08:23	Work Order ID:	E207166
Phone:	(575) 631-6977	Date Logged In:	07/25/22 09:46	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/29/22 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: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: West Shugart 29 Fed #3

Work Order: E210170

Job Number: 01058-0007

Received: 10/26/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/27/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: West Shugart 29 Fed #3
Workorder: E210170
Date Received: 10/26/2022 10:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/26/2022 10:20:00AM, under the Project Name: West Shugart 29 Fed #3.

The analytical test results summarized in this report with the Project Name: West Shugart 29 Fed #3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/27/22 12:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E210170-01A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CS2	E210170-02A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW1	E210170-03A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW2	E210170-04A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW3	E210170-05A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW4	E210170-06A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW5	E210170-07A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.
CSW6	E210170-08A	Soil	10/22/22	10/26/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CS1

E210170-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2244031	
Chloride	23.9	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CS2

E210170-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2244031	
Chloride	ND	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW1

E210170-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2244031
Chloride	ND	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW2

E210170-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2244031
Chloride	ND	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW3

E210170-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2244031
Chloride	ND	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW4

E210170-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2244031	
Chloride	20.3	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW5

E210170-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2244029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2244030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2244031	
Chloride	22.6	20.0	1	10/26/22	10/26/22	



Sample Data

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

Project Name: West Shugart 29 Fed #3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/27/2022 12:57:30PM

CSW6

E210170-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Benzene	ND	0.0250	1	10/26/22	10/26/22	
Ethylbenzene	ND	0.0250	1	10/26/22	10/26/22	
Toluene	ND	0.0250	1	10/26/22	10/26/22	
o-Xylene	ND	0.0250	1	10/26/22	10/26/22	
p,m-Xylene	ND	0.0500	1	10/26/22	10/26/22	
Total Xylenes	ND	0.0250	1	10/26/22	10/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2244029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/26/22	10/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	10/26/22	10/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2244030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/26/22	10/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/26/22	10/26/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/26/22	10/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2244031
Chloride	ND	20.0	1	10/26/22	10/26/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/27/2022 12:57:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244029-BLK1)

Prepared: 10/26/22 Analyzed: 10/26/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.66		8.00		108	70-130			

LCS (2244029-BS1)

Prepared: 10/26/22 Analyzed: 10/26/22

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.79		8.00		110	70-130			

Matrix Spike (2244029-MS1)

Source: E210170-02

Prepared: 10/26/22 Analyzed: 10/26/22

Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
o-Xylene	5.31	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.86		8.00		111	70-130			

Matrix Spike Dup (2244029-MSD1)

Source: E210170-02

Prepared: 10/26/22 Analyzed: 10/26/22

Benzene	5.13	0.0250	5.00	ND	103	54-133	0.282	20	
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133	0.574	20	
Toluene	5.26	0.0250	5.00	ND	105	61-130	0.407	20	
o-Xylene	5.29	0.0250	5.00	ND	106	63-131	0.369	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	0.587	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	0.514	20	
Surrogate: 4-Bromochlorobenzene-PID	8.83		8.00		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed #3	Reported: 10/27/2022 12:57:30PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244029-BLK1) Prepared: 10/26/22 Analyzed: 10/26/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.4	70-130			

LCS (2244029-BS2) Prepared: 10/26/22 Analyzed: 10/26/22

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2244029-MS2) Source: E210170-02 Prepared: 10/26/22 Analyzed: 10/26/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike Dup (2244029-MSD2) Source: E210170-02 Prepared: 10/26/22 Analyzed: 10/26/22

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	1.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/27/2022 12:57:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2244030-BLK1)

Prepared: 10/26/22 Analyzed: 10/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	50-200			

LCS (2244030-BS1)

Prepared: 10/26/22 Analyzed: 10/26/22

Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	50-200			

Matrix Spike (2244030-MS1)

Source: E210170-04

Prepared: 10/26/22 Analyzed: 10/26/22

Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.3	38-132			
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	50-200			

Matrix Spike Dup (2244030-MSD1)

Source: E210170-04

Prepared: 10/26/22 Analyzed: 10/26/22

Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.0	38-132	2.92	20	
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Shugart 29 Fed #3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/27/2022 12:57:30PM

Anions by EPA 300.0/9056A

Analyst: KL

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 (2244031-BLK1)					Prepared: 10/26/22 Analyzed: 10/26/22				
Chloride	ND	20.0							
LCS (2244031-BS1)					Prepared: 10/26/22 Analyzed: 10/26/22				
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2244031-MS1)					Source: E210170-01		Prepared: 10/26/22 Analyzed: 10/26/22		
Chloride	276	20.0	250	23.9	101	80-120			
Matrix Spike Dup (2244031-MSD1)					Source: E210170-01		Prepared: 10/26/22 Analyzed: 10/26/22		
Chloride	278	20.0	250	23.9	102	80-120	0.725	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:	West Shugart 29 Fed #3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/27/22 12:57

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

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

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

Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>West Shugart 29 Feb #3</u>		Attention: <u>Devon</u>		Lab WO# <u>E210170</u>		Job Number <u>01058-0001X</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bunum</u>		Address:		City, State, Zip		Analysis and Method						RCRA	
Address:		Phone:		Email:		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260	
City, State, Zip		City, State, Zip		City, State, Zip		Metals 6010		Chloride 300.0		BGDOC - NM		TCEQ 1005 TX-TPH	
Phone: <u>856-748-1163</u>		State		State		NM		CO		UT		AZ	
Email: <u>tom@pimaenv.com</u>		TX		TX		TX		TX		TX		TX	
Report due by:		Project Pima # <u>1-182</u>											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
7:30 AM	10/22/22	S	1	CS1	1							X		
7:35 AM	10/22/22			CS2	2									
7:40 AM				CSW1	3									
7:45 AM				CSW2	4									
7:50 AM				CSW3	5									
7:55 AM				CSW4	6									
8:00 AM				CSW5	7									
8:05 AM				CSW6	8									

Additional Instructions:

Billing # 21048255

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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>Audiana Bernades</u>	10-25-22		<u>Audiana Bernades</u>	10-25-22	2:00 PM	Received on ice: <u>Y/N</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	
<u>Audiana Bernades</u>	10-25-22	4:15	<u>Audiana Bernades</u>	10/26/22	10:20	T2	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3	
						AVG Temp °C <u>4</u>	

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

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

Envirotech Analytical Laboratory

Printed: 10/26/2022 1:45:14PM

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:	10/26/22 10:20	Work Order ID:	E210170
Phone:	(575) 631-6977	Date Logged In:	10/26/22 10:22	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/26/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

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

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 200217

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 200217
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2218649153 WEST SHUGART 29 FED 3 FLOWLINE, thank you. This closure is approved.	8/15/2023